

Mark VanDam Curriculum Vitae

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Education

2007-2009	Postdoctoral fellow	Boys Town National Research Hospital
2007	PhD, Linguistics	Indiana University
2003	MA, Linguistics	Indiana University
2003	LSA Linguistic Institute	Michigan State University
1999	BA, English, German	Calvin College (now Calvin University)
1998	DAAD, student exchange	Philipps-Universität Marburg

Positions

2019-present	Adjunct Professor	Arizona State University	Tempe, AZ
2018-present	Associate Professor	Washington State University	Spokane, WA
2012-present	Director	WSU Speech & Language Lab	Spokane, WA
2012-present	Adjunct Professor	Eastern Washington University	Spokane, WA
2012-2018	Assistant Professor	Washington State University	Spokane, WA
2011-2012	Adjunct Professor	Metropolitan Community College	Omaha, NE
2009-2012	Research Associate	Boys Town National Research Hospital	Omaha, NE
2007-2009	Postdoctoral Fellow	Boys Town National Research Hospital	Omaha, NE
2006	Predocotrual Fellow	Speech Research Laboratory	Bloomington, IN
2005-2006	Visiting Lecturer	University of Wisconsin - Madison	Madison, WI
2001-2007	Assistant Instructor	Indiana University	Bloomington, IN
2000-2001	Research Assistant	Speech Research Laboratory	Bloomington, IN
2000	Grading Assistant	Indiana University	Bloomington, IN
1997-1998	Assistant Teacher	Hall Street Elementary School	Grand Rapids, MI

Publications (peer reviewed)

Potter, N. L., Bajwa, A., Wilson, E. H., **VanDam**, M. (2020). Developmental changes in tongue strength, swallow pressures, and tongue endurance. *Dysphagia*. doi:[10.1007/s00455-020-10200-4](https://doi.org/10.1007/s00455-020-10200-4)

Ingvalson, E. M., Grieco-Calub, T. M., Perry, L. K., **VanDam**, M. (2020). Rethinking emergent literacy in children with hearing loss. *Frontiers in Psychology*, *11*(39). doi:[10.3389/fpsyg.2020.00039](https://doi.org/10.3389/fpsyg.2020.00039)

VanDam, M., & Yoshinaga-Itano, C. (2019). Use of the LENA Autism Screen with children who are deaf or hard of hearing. *Medicina*, *55*(495). doi:[10.3390/medicina55080495](https://doi.org/10.3390/medicina55080495)

Peter, B., Potter, N., Davis, J., Donenfeld-Peled, I., Finestack, L., Stoel-Gammon, C., Lien, K., Bruce, L., Vose, C., Eng, L., Yokoyama, H., Olds, D., & **VanDam**, M. (2019). Toward a paradigm shift from deficit-based to proactive speech and language treatment: Randomized pilot trial of

- the Babble Boot Camp in infants with classic galactosemia. *F1000*, 8:271 doi:10.12688/f1000research.18062.1 [PDF]
- Potter, N. L., Nievergelt, Y., & **VanDam**, M. (2019). Tongue strength in children with and without speech sound disorders. *American Journal of Speech-Language Pathology*, 28(2): 612-622. doi: 10.1044/2018_AJSLP-18-0023
- VanDam**, M., & De Palma, P. (2019). A modular, extensible approach to massive ecologically-valid behavioral data. *Behavior Research Methods*, 51(4): 1754-1765. doi: 10.3758/s13428-018-1167-8
- Lynch, G. T. F., James, S., & **VanDam**, M. (2018). Pupillary response and phenotype in ASD: Latency to constriction discriminates ASD from typically developing adolescents. *Autism Research*, 11(2): 364-375. doi: 10.1002/aur.1888
- VanDam**, M., & Silbert, N. H. (2016). Fidelity of automatic speech processing for adult and child talker classifications. *PLOS ONE*, 11(8): e0160588. doi:10.1371/journal.pone.0160588
- VanDam**, M., Warlaumont, A. S., Bergelson, E., Cristia, A., Soderstrom, M., De Palma, P., & MacWhinney, B. (2016). HomeBank, an online repository of daylong child-centered audio recordings. *Seminars in Speech and Language*, 37: 128-142. doi: 10.1055/s-0036-1580745
- VanDam**, M., Oller, D. K., Ambrose, S. E., Gray, S., Richards, J. A., Xu, D., Gilkerson, J., Silbert, N. H., & Moeller, M. P. (2015). Automated vocal analysis of children with hearing loss and their typical and atypical peers. *Ear and Hearing*, 36(4): e146-e152. doi: 10.1097/AUD.0000000000000138
- Potter, N. L., Johnson, L. R., Johnson, S. E., **VanDam**, M. (2015). Facial and lingual strength and endurance in skilled trumpet players. *Medical Problems of Performing Artists*, 30(2): 90-95.
- VanDam**, M. (2014). Acoustic characteristics of the clothes used for a wearable recording device. *Journal of the Acoustical Society of America Express Letters*, 136(4): EL263-EL267. doi: 10.1121/1.4895015
- Ambrose, S. E., **VanDam**, M., & Moeller, M.P. (2014). Linguistic input, electronic media, and communication outcomes of toddlers with hearing loss. *Ear and Hearing*, 35(2): 139-147. doi: 10.1097/AUD.0b013e3182a76768
- VanDam**, M., Ambrose, S. E., & Moeller, M. P. (2012). Quantity of parental language in the home environments of hard-of-hearing two-year olds. *Journal of Deaf Studies and Deaf Education*, 17(4), 402-420. doi:10.1093/deafed/ens025
- VanDam**, M., Ide-Helvie, D., & Moeller, M. P. (2011). Point vowel duration in children with hearing aids and cochlear implants at 4 and 5 years of age. *Clinical Linguistics & Phonetics*, 25(8): 689-704. doi:10.3109/02699206.2011.552158
- VanDam**, M. (2004). Word final coda typology. *Journal of Universal Language* 5(1): 119-148.

Working papers, proceedings, reviews (peer reviewed)

- Kondaurova, M., Kinney, K., Betts, A., Nolan, L., & **VanDam**, M. (2019). Infant-directed speech register in children with and without hearing loss. *Proceedings of Meetings on Acoustics*, 36, 060003. doi: [10.1121/2.0001035](https://doi.org/10.1121/2.0001035)
- Lynch, G., James, S., & **VanDam**, M. (2018). Pupillometry as a method for examining phenotype in ASD: Latency to constriction discriminates ASD from typically developing adolescents. *Proceedings of the 4th Neurological Disorders Summit (NDS-2018) Los Angeles, CA*, appearing in the *Journal of Neurology & Experimental Neuroscience*, 4(1): S28. doi: 10.17756/jnen.2018-suppl1.

- Krantz, J., Dulin, M., De Palma, P., & **VanDam**, M. (2018). Syllabification by phone categorization. *GECCO '18 Companion*, Kyoto, Japan. doi:[10.1145/3205651.3208781](https://doi.org/10.1145/3205651.3208781)
- VanDam**, M., Jessup, C., Tully, T. (2017). Mothers' and fathers' differential talk to daughters and sons with hearing loss. *Proceedings of Meetings on Acoustics*, **29**, 060012. doi: 10.1121/2.0000532
- De Palma, P., & **VanDam**, M. (2017). Using automatic speech processing to analyze fundamental frequency of child-directed speech stored in a very large audio corpus. *IEEE Proceedings of the Joint 17th World Congress of International Fuzzy Systems Association and 9th International Conference on Soft Computing and Intelligent Systems (IFSA-SCIS 2017)*, Otsu, Japan, June 27-30, 2017. doi: 10.1109/IFSA-SCIS.2017.8023224
- VanDam**, M., & De Palma, P. (2014). Fundamental frequency of child-directed speech using automatic speech recognition. *IEEE Proceedings of the Joint 7th International Conference on Soft Computing and Intelligent Systems and 15th International Symposium on Advanced Intelligent Systems (ICSC-SCIS)* (pp. 1349-1353), Kitakyushu, Japan, Dec. 3-6, 2014. doi:10.1109/SCIS-ISIS.2014.7044876
- VanDam**, M., & Silbert, N. H. (2013). Precision and error of automatic speech recognition. *Proceedings of Meetings on Acoustics*, **19**: 060006. doi:10.1121/1.4798466
- Silbert, N. H., Linck, J. A., & **VanDam**, M. (2013). Multilevel models, covariates, and controlled factors in experimental speech research: unified analyses of highly structured data. *Proceedings of Meetings on Acoustics*, **19**: 0600029. doi: 10.1121/1.4790331
- Moeller, M. P., Bass-Ringdahl, S., Ambrose, S. E., **VanDam**, M., & Tomblin, J. B. (2011). Understanding Communication Outcomes: New Tools and Insights. In R. C. Seewald & J. M. Bamford (Eds.), *A Sound Foundation Through Early Amplification 2010: Proceedings of the Fifth International Conference* (pp. 245-260). Stafa, Switzerland: Phonak AG Immediate Proceedings Ltd.
- VanDam**, M. (2004). Review: Kreidler. (2004). *The Pronunciation of English: A Course Book, Second Edition*. The Linguist List, available at URL www.linguistlist.org.
- VanDam**, M. (2003). On the phonological structure of /i/-suffixed English nicknames. In Grimes, S., & deJong, K., (eds.) *IULC Working Papers Online* 3(03-01): 1-30.

Presentations (peer reviewed)

- VanDam**, M., Morton, S., & Brown, K.E. (2020, December). Preschool boys with hearing loss are exposed to greater vocal amplitude from parents. Poster presented at the *179th Meeting of the Acoustical Society of America Acoustics Virtually Everywhere*, Online. doi:[10.1121/1.5146829](https://doi.org/10.1121/1.5146829)
- Kinney, K., Kondaurova, M. V., **VanDam**, M., & Zeng, Q. (2020, December). Child hearing loss and vocal turn-taking between family members. Poster presented at the *179th Meeting of the Acoustical Society of America Acoustics Virtually Everywhere*, Online. doi:[10.1121/1.5146832](https://doi.org/10.1121/1.5146832)
- Peter, B., Davis, J., Bruce, L., Potter, N., **VanDam**, M., Williams, D., Finestack, L., Stoel-Gammon, C. (2020, November). Babble Boot Camp for babies at risk for motor speech disorders. Talk presented at the *American Speech-Language Hearing Association Convention*, Online.
- Bruce, L., Eng, L., Cotter, S., Yokoyama, H., Schur, J., Donenfeld-Peled, I., Potter, N, **VanDam**, M., Davis, J., & Peter, B. (2020, June). Turning knowledge of a genetic cause into preventive behavioral interventions: Proactive speech and language therapy for infants with

- classic galactosemia continues to show signs of effectiveness. Talk presented at the *Behavior Genetics Association Annual Meeting*, Online.
- Donenfeld-Peled, I., Peter, B., Potter, N., Davis, J., Finestack, L., Stoel-Gammon, C., Lien, K., Bruce, L., Vose, C., Eng, L., Yokoyama, H., **VanDam**, M., & Olds, D. (2019, November). Preventing speech & language disorders: Piloting the Babble Boot Camp in infants with classic galactosemia. Talk presented at the *American Speech-Language Hearing Association Convention*, Orlando, FL.
- VanDam**, M., & Hibben, R. (2019, May). Longitudinal development of conversational exchanges in children with hearing loss. Poster presented at the *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- VanDam**, M., Wolfenstein, K., Campanella, S., Olds, D., & De Palma, P. (2019, May). Syllable production in hard-of-hearing preschoolers. Poster presented at the *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- VanDam**, M., Campanella, S., Wolfenstein, K., Olds, D., & De Palma, P. (2019, May). Preschoolers initiate more conversations than their parents. Poster presented at the *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- Kondaurova, M. V., Kinney, K., Betts, A., Nolan, L., & **VanDam**, M. (2019, May). Infant-directed speech register in children with and without hearing loss. Poster presented at the *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- Peter, B., Potter, N., **VanDam**, M., & Davis, J. (2018, July). Babble Boot Camp: Preventing speech and language disorders in infants at genetic risk. Talk presented at the *American Scientific Affiliation Annual Meeting*, Gordon College, Wenham, Massachusetts.
- Peter, B., Potter, N., Stoel-Gammon, C., Lien, K., Bruce, L., Vose, C., Eng, L., & **VanDam**, M. (2018, June). Translating knowledge of genetic risk into prevention of speech and language disorders: A pilot study in infants with classic galactosemia. Talk presented at the *48th Behavior Genetics Annual Meeting*, Boston, Massachusetts.
- VanDam**, M., Anderst, J., Olds, D., Saur, A., De Palma, P. (2018, May). Linguistic type-frequency in preschool boys and girls with and without hearing loss. Poster presented at the *175th Meeting of the Acoustical Society of America*, Minneapolis, Minnesota.
- VanDam**, M., Saur, A., Anderst, J., Olds, D., De Palma, P. (2018, May). The influence of siblings on toddlers' mean length of utterance. Poster presented at the *175th Meeting of the Acoustical Society of America*, Minneapolis, Minnesota.
- VanDam**, M., Saur, A., Anderst, J., Olds, D., & De Palma, P. (2018, April). Linguistic complexity of boys and girls with and without siblings. Poster presented at the *Inland Northwest Research Symposium*, Spokane, WA.
- VanDam**, M., Anderst, J., Olds, D., Saur, A., & De Palma, P. (2018, April). Lexical variability in the speech of preschoolers who are hearing impaired. Poster presented at the *Inland Northwest Research Symposium*, Spokane, WA.
- Saur, A., Anderst, J., & **VanDam**, M. (2018, April). Expressive language of toddlers as influenced by siblings. Poster presented at the *Showcase for Undergraduate Research and Creative Activity*, Pullman, WA.
- Anderst, J., Saur, A., & **VanDam**, M. (2018, April). Linguistic type-frequency in young children with and without hearing loss. Poster presented at the *Showcase for Undergraduate Research and Creative Activity*, Pullman, WA.
- Peter, B., Potter, N., **VanDam**, M., Davis, J., Stoel-Gammon, C., Lien, K., Bruce, L., Vose, C., & Eng, L. (2018, March). Preventing speech and language disorders in infants with classic

- galactosemia: Babble Boot Camp first year's results. Poster presented at the *Art and Science of Health Promotion Conference*, San Diego, California.
- VanDam**, M., Heid, H. N., James, S., Schraven, S., Driscoll, D., Hardie, A., Cahill, S., & Olds, D. (2017, December). Daylong acoustic amplitude from the perspective of young children with and without hearing loss. Poster presented at the *174th Meeting of the Acoustical Society of America*, New Orleans, Louisiana.
- Peter, B., Potter, N.L., **VanDam**, M., Stoel-Gammon, C., Lien, K., Vose, C., Bruce, L., Eng, L., & Davis, J. (2017, September). Babble Boot Camp: Translating known genetic risks into preventative speech and language therapy. *Advances in Genome Biology and Technology (AGBT) Precision Health Meeting*, Scottsdale, AZ.
- Warlaumont, A., **VanDam**, M., Bergelson, E., & Cristia, A. (2017, August). HomeBank: A repository for long-form real-world audio recordings of children. *INTERSPEECH*, Stockholm, Sweden.
- Casillas, M., Bergelson, E., Warlaumont, A. S., Cristia, A., Soderstrom, M., **VanDam**, M., & Sloetjes, H. (2017, August). A new workflow for semi-automatized annotations: tests with long-form naturalistic recordings of children's language environments. *INTERSPEECH*, Stockholm, Sweden.
- Lynch, G. T. F., James, S., **VanDam**, M., & Hyslop, R. (2017, May) Preliminary findings in adolescents with ASD: Pupil diameter as a proxy for cognitive load during passive viewing of facial expression stimuli. *International Meeting for Autism Research (IMFAR)*, San Francisco, CA.
- VanDam**, M., Jessup, C., & Tully, T. (2016, November). Fathers' and mothers' differential talk to sons and daughters with hearing loss. Poster presented at the *172nd Meeting of the Acoustical Society of America and the 5th Joint meeting of the Acoustical Society of America and the Acoustical Society of Japan*, Honolulu, HI.
- Pretzer, G. M., Warlaumont, A. S., **VanDam**, M., MacWhinney, B., & Reding, C. J. (2016, November). HomeBank: A resource for sharing daylong audio recordings from children and families. Poster presented at the *American Speech-Language Hearing Association Convention*, Philadelphia, PA.
- VanDam**, M., Potter, N., Johnson, L., & Johnson, S. (November, 2015). Orofacial musculature performance in players of wind instruments. Talk presented at the *American Speech-Language Hearing Association Convention*, Denver, CO.
- VanDam**, M., & Silbert, N. (2015, November). Fidelity of automatic speech recognition labeling. Talk presented at the *American Speech-Language Hearing Association Convention*, Denver, CO.
- VanDam**, M., Strong, W., & De Palma, P. (2015, November). Characteristics of fathers' prosody when talking with young children. Poster presented at the *American Speech-Language Hearing Association Convention*, Denver, CO.
- VanDam**, M., De Palma, P., & Strong, W. (2015, November). Speech production characteristics of parents of hard of hearing toddlers. Poster presented at the *American Speech-Language Hearing Association Convention*, Denver, CO.
- VanDam**, M., & Carns, K. (2015, November). Acquisition of syntactic question types in children who are hard of hearing. Poster presented at the *American Speech-Language Hearing Association Convention*, Denver, CO.
- VanDam**, M., De Palma, P., & Strong, W. E. (2015, October). Fathers' prosodic communication with young children. Poster presented at the *Washington Speech Language Hearing*

- Association Annual Meeting*, Tacoma, WA.
- VanDam**, M., De Palma, P., & Strong, W. E. (2015, October). Parental speech characteristics to heard-of-hearing toddlers. Poster presented at the *Washington Speech Language Hearing Association Annual Meeting*, Tacoma, WA.
- VanDam**, M., & Lin, D. (2015, July). A vocal biofeedback device for Parkinson's patients. Poster presented at *Lifesciences Innovation Northwest (LSINW)*, Seattle, WA.
- VanDam**, M., & Lin, D. (2015, July). Vocal dosimetry and biofeedback for Parkinson's patients. Talk presented at *Lifesciences Innovation Northwest (LSINW)*, Seattle, WA.
- VanDam**, M., De Palma, P., & Strong, W. E. (2015, May). Fathers' use of fundamental frequency in motherese. Poster presented at the *169th Meeting of the Acoustical Society of America*, Pittsburgh, PA.
- VanDam**, M., De Palma, P., & Strong, W. E. (2015, May). Fundamental frequency of speech directed to children who have hearing loss. Poster presented at the *169th Meeting of the Acoustical Society of America*, Pittsburgh, PA.
- Lynch, G. T., Potter, N. L., James, S., & **VanDam**, M. (2015, May). Facial response to visual stimuli: Using pupil response as an indicator for phenotype in ASD. Poster presented at the *International Meeting for Autism Research (IMFAR)*, Salt Lake City, UT.
- VanDam**, M., De Palma, P., Strong, W. E., & Kelly, E. (2015, January). Child-directed speech of fathers. Poster presented at the *Linguistic Society of America 2015 Annual Meeting*, Portland, OR.
- VanDam**, M., De Palma, P., Strong, W. E., & Kelly, E. (2015, January). Child directed speech to preschoolers who are hard-of-hearing. Poster presented at the *Linguistic Society of America 2015 Annual Meeting*, Portland, OR.
- VanDam**, M., & Silbert, N. (2014, June). Performance of LENA automatic speech processing in families with children who are hard of hearing. Talk presented at the *2014 International Child Phonology Conference*, Missoula, MT.
- VanDam**, M., Anderson, A., Ahmann, H., & Potter, N. (2014, June). Telepractice assessment of receptive language using the Peabody Picture Vocabulary Test 4. Poster presented at the *2014 International Child Phonology Conference*, Missoula, MT.
- VanDam**, M., & Silbert, N. H. (2014, May). Automatic speech recognition of naturalistic recordings in families with children who are hard of hearing. Talk presented at the *167th Meeting of the Acoustic Society of America*, Providence, RI.
- VanDam**, M., & Silbert, N. H. (2013, December). Characteristics of automatic and human speech recognition processes. Talk presented at the *166th Meeting of the Acoustical Society of America*, San Francisco, CA.
- VanDam**, M., Clemetson, B. C., Hurson, M., Pacheco, T., Jakubowski, S., Jakubowski, W., & Nicholas, D. (2013, December). A wearable real-time vocal biofeedback device. Talk presented at the *166th Meeting of the Acoustical Society of America*, San Francisco, CA.
- Johnson, L. R., Potter, N. L., & **VanDam**, M. (2013, December). The functional impact of incidental orofacial muscle activity. Talk presented at the *166th Meeting of the Acoustical Society of America*, San Francisco, CA.
- VanDam**, M. (2013, November). Speech and language development in preschoolers with hearing loss. "New Findings on the Interaction of Hearing & Language" seminar session at the *2013 ASHA Convention*, Chicago, IL.
- Silbert, N. H., Linck, J. A., & **VanDam**, M. (2013, June). Multilevel models, covariates, and controlled factors in experimental speech research: unified analyses of highly structured

- data. Talk at the *165th Meeting of the Acoustical Society of America, 21st International Congress on Acoustics, and 52nd Meeting of the Canadian Acoustical Association*, Montreal, Quebec, Canada.
- VanDam**, M. & Silbert, N. H. (2013, June). Precision and error of automatic speech recognition. Poster presented at the joint meetings of the *165th Meeting of the Acoustical Society of America, 21st International Congress on Acoustics, and 52nd Meeting of the Canadian Acoustical Association*, Montreal, Quebec, Canada.
- VanDam**, M. & Silbert, N. H. (2013, April). Fidelity of LENA vocal activity labels. Poster presented at the *LENA International Conference 2013*, Denver, CO.
- VanDam**, M., Silbert, N. H., & Moeller, M. P. (2012, October). Effects of age, hearing loss, and phonological neighborhood density on children's perceptual confusions. Poster presented at the *164th Meeting of the Acoustical Society of America*, Kansas City, KS.
- Ambrose, S. E., **VanDam**, M., & Moeller, M. P. (2011, November). The impact of exposure to talk and television on the language development of toddlers with hearing loss. Poster presented at the *American Speech-Language-Hearing Association Convention*, San Diego, CA.
- Ambrose, S. E., **VanDam**, M., & Moeller, M. P. (2011, June). Automated analysis of the language abilities and auditory-linguistic environments of children with hearing loss. Poster presented at the *Symposium on Research in Child Language Disorders*, Madison, WI.
- VanDam**, M. (2011, May). Automatic acoustic-phonetic analyses of thousands of hours of conversational speech in hard of hearing children. Talk presented at the *161st Meeting of the Acoustical Society of America*, Seattle, WA.
- VanDam**, M., Silbert, N. H., & Moeller, M. P. (2011, May). Repetition of words from dense and sparse phonological neighborhoods in children with hearing loss and normal hearing. Poster presented at the *161st Meeting of the Acoustical Society of America*, Seattle, WA.
- Ambrose, S. E., **VanDam**, M., & Moeller, M. P. (2011, April). The role of talk in outcomes of children who are hard of hearing. Poster presented at the *Second LENA Users Conference*, Denver, CO.
- Ambrose, S. E., **VanDam**, M., & Moeller, M. P. (2011, April). Use of AVA measures with young children who are hard of hearing. Poster presented at the *Second LENA Users Conference*, Denver, CO.
- VanDam**, M., McMurray, B., Ambrose, S.E., Moeller, M. P., Tomblin, J. B. (2011, April). Auditory Ability and Language Development: Quantitative Assessments of Input, Output, and Outcomes in Hard-of-Hearing Children. Talk presented at the *2011 Biennial Meeting of the Society for Research on Child Development*, Montreal, Quebec, Canada.
- VanDam**, M., Moeller, M. P., & Tomblin, B. (2010, November). Analyses of fundamental frequency in infants and preschoolers with hearing loss. Poster presented at the *160th Meeting of the Acoustical Society of America*, Cancun, Quintana Roo, Mexico.
- VanDam**, M., Ide-Helvie, D., & Moeller, M. P. (2010, November). Duration of point vowels in four- and five year olds with hearing aids and cochlear implants. Talk presented at the *160th Meeting of the Acoustical Society of America*, Cancun, Quintana Roo, Mexico.
- Ambrose, S. E., **VanDam**, M., & Moeller, M. P. (2010, November). The role of talk in outcomes for children with hearing loss. Roundtable discussion: LENA technology: Expanded research and clinical application in child language, Philadelphia, PA.
- VanDam**, M. (2010, April). Using LENA to examine development of children with hearing loss. Poster presented at the *First LENA Users Conference*, Denver, CO.

- VanDam, M., & Silbert, N.** (2010, April). A Bayesian model of voice-onset time production. Poster presented at *159th Meeting of the Acoustical Society of America*, Baltimore, MD.
- VanDam, M.** (2010, April 10). Prosody of children with mild to severe hearing loss. Talk presented at the *International Child Phonology Conference*, Memphis, TN.
- Smith, N. A., **VanDam, M.**, & Moeller, M. P. (2009, October). Gaze distribution patterns for audiovisual speech stimuli in preschool children without hearing loss. Poster presented at the *158th Meeting of the Acoustical Society of America*, San Antonio, TX.
- VanDam, M., Silbert, N. H., & Port, R. F.** (2009, October). Fine-grained control of VOT production, lexical usage-frequency, and phrasal context. Poster presented at the *158th Meeting of the Acoustical Society of America*, San Antonio, TX.
- VanDam, M., & Port, R. F.** (2009, May). Phonetic experience with specific words affects categorical perception of those words. Poster presented at the *157th Meeting of the Acoustical Society of America*, Portland, OR.
- VanDam, M., Smith, N. A., Ide-Helvie, D., & Moeller, M. P.** (2008, November). Development of temporal and spectral characteristics in the speech of hearing impaired children. Poster presented at the *156th Meeting of the Acoustical Society of America*, Miami, FL.
- VanDam, M., Ide-Helvie, D., Smith, N. A., & Moeller, M. P.** (2008, June). Early identification of hearing loss improves temporal properties of children's speech. Poster presented at the *2008 Child Phonology Conference*, Purdue University, West Lafayette, IN.
- VanDam, M.** (2008, May). Economy and invariance are unjustified assumptions in formal phonology. Talk presented at the *Fifth North American Phonology Conference (NAPhC5)*, Concordia University, Montreal, Quebec, Canada.
- Davis, S., & **VanDam, M.** (2006, October). The footing of semi-weak syllables in American English. Talk presented at the *Twelfth Mid-Continental Workshop on Phonology (MCWOP-12)*, University of Iowa, Iowa City, IA.
- VanDam, M., & Port, R.** (2005, May). High lexical frequency and context reduces VOT. Poster presented at the *149th Meeting of the Acoustical Society of America*, Vancouver, BC, Canada.
- VanDam, M.** (2003, April). VOT of American English stops with prosodic correlates. Poster presented at the *145th Meeting of the Acoustical Society of America*, Nashville, TN.
- Anderson, V., Davis, S., Deegan, J., Trennepohl, K., & **VanDam, M.** (2002, October). On the use of a literary text for the study of spoken AAVE: Connie Porter's *Imani All Mine*. Talk presented at *New Perspectives on African American English (NPAAE)*, Stanford University, Palo Alto, CA.
- Anderson, V., Davis, S., Deegan, J., Trennepohl, K., & **VanDam, M.** (2002, April). An analysis of the African American English of Connie Porter's *Imani All Mine* and its implication for variationist studies in AAE. Talk presented at the *55th Annual Kentucky Foreign Language Conference*, University of Kentucky, Lexington, KY.
- Davis, S., & **VanDam, M.** (2001, October). The pair of dactyls in Mediterranean: On the analysis of aspirated weak syllables in English. Talk presented at the *Seventh Annual Mid-Continental Workshop on Phonology (MCWOP-7)*, University of Iowa, Iowa City, IA.

Presentations (invited)

- VanDam, M.** (June, 2019). Everyday speech and language development in preschoolers with hearing loss. *Symposium Honoring the Impact of Brian MacWhinney on Language Research*, Carnegie Mellon University, Pittsburgh, PA.

- VanDam, M., & Warlaumont, A. S.** (June, 2019). HomeBank workshop. *Symposium Honoring the Impact of Brian MacWhinney on Language Research*, Carnegie Mellon University, Pittsburgh, PA.
- VanDam, M., De Palma, P., Soderstrom, M., Casillas, M., Cristia, A., Bergelson, E., Warlaumont, A. S., Olds, D., & MacWhinney, B.** (2019, May). Daylong acoustic recordings of family and child speech using the HomeBank database. Talk presented at the *177th Meeting of the Acoustical Society of America*, Louisville, KY.
- De Palma, P., Olds, D., & **VanDam, M.** (June, 2018). Natural language and speech processing of very large databases. Plenary lecture presented at the *4th International Symposium on Affective Science and Engineering* and the *29th Modern Artificial Intelligence and Cognitive Science Conference (ISASE-MAICS 2018)*, Spokane, WA.
- VanDam, M., Heid, H. N., & Olds, D.** (October, 2017). Loudness of the auditory experience of children with and without hearing loss. Poster presented at the *Translational Medicine Symposium*, Spokane, WA.
- VanDam, M.** (November, 2016). Acoustic phonetics of speech production for automatic speech recognition. Talk presented at the Department of Computer Science, Gonzaga University, Spokane, WA.
- VanDam, M.** (October, 2016). The future of speech devices in Parkinson's disease. Talk presented at the *Inland Northwest Movement Disorders Society Annual Meeting*, Spokane, WA.
- VanDam, M., De Palma, P., & Silbert, N.** (May, 2016). Fidelity of Automatically Coded Family Speech of Mothers, Fathers, and 30 month-old Children with and without Hearing Loss. Talk presented at the paper symposium *Studying Language Development Through Human and Automated Annotation of Infants' Natural Auditory Environments* at the *2016 International Congress of Infant Studies (ICIS)*, New Orleans, LA.
- VanDam, M., & Tully, T.** (May, 2016). Quantity of mothers' and fathers' speech to sons and daughters. Talk presented at the special session *Gender Effects in Speech Production and Perception* at the *171st Meeting of the Acoustical Society of America*, Salt Lake City, UT.
- VanDam, M.** (2016, April). Analysis and management of audio data in a distributed, very large database. Talk presented at the *Analytical Brown Bag*, College of Nursing, Washington State University, Spokane, WA.
- VanDam, M.** (2013, July). Language behavior in hearing impaired children. Talk presented at Pediatric Grand Rounds, Providence Sacred Heart Medical Center and Children's hospital, Spokane, WA.
- VanDam, M.** (2013, January). Children with hearing loss and modern research methods. Talk presented at Spokane ENT and Surgery Center, Spokane, WA.
- VanDam, M.** (2012, February). Cognitive, social, and linguistic development in preschoolers and toddlers. Talk presented at Washington State University, Department of Speech and Hearing Sciences, Spokane, WA.
- VanDam, M.** (2012, February). Machine assessment of linguistic development in children with special needs. Talk presented at the University of Toledo, Judith Herb College of Education, Health Science, and Human Service, Department of Rehabilitation Sciences, Toledo, OH.
- VanDam, M.** (2012, February). Automatic assessment of speech and language development in hard of hearing children and other special populations. Talk presented at the University of Tennessee, College of Allied Health Science, Department of Audiology and Speech Pathology, Knoxville, TN.

- VanDam, M.** (2012, February). Speech and language development in special populations: Automatic analyses of large-scale, naturalistic, acoustic data. Talk presented at the University of Georgia, College of Education, Department of Communication Sciences and Special Education, Athens, GA.
- VanDam, M.** (2012, February). New approaches to cognitive development in hard of hearing children. Talk presented at Florida State University, School of Communication Science and Disorders, Tallahassee, FL.
- VanDam, M.** (2012, January). Automatic analysis of real-world speech and language data with special populations. Talk presented at Oklahoma State University, Department of Communication Sciences and Disorders, Stillwater, OK.
- VanDam, M.** (November, 2011). Consumers guide to LENA: Comments and recommendations from expert users: Automatic speech and language analysis of children who are hard of hearing. Talk presented at the *American Speech-Language-Hearing Association Convention*, San Diego, CA.
- Moeller, M. P., **VanDam, M.**, Ambrose, S. (2011, September). Measuring outcomes in children with hearing loss: New tools and insights. Talk presented at the *2011 Nebraska Speech Language Hearing Association Fall Convention*, Kearney, NE.
- VanDam, M.** (2010, April). Speech development of children with hearing loss from whole-day recordings. Talk presented at the Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.
- VanDam, M.** (2009, July). Word learning and fine phonetic detail in the linguistic development of hearing impaired children. Talk presented at the *BTNRH/CU-KUMC-IOWA Auditory Research Conference*, Omaha, NE.
- Smith, N., & **VanDam, M.** (2009, July). Development of visual fixation patterns for audiovisual speech. Talk presented at the *BTNRH/CU-KUMC-IOWA Auditory Research Conference*, Omaha, NE.
- VanDam, M.** (2009, June). Vowel duration in hearing impaired children at four- and five-years old. Talk presented at the *University of Louisville Summer Linguistics Lecture Series*, Louisville, KY.
- VanDam, M.** (2009, March). Development of linguistic duration in hearing impaired children. Talk presented at the University of Iowa, Department of Communication Sciences and Disorders, Iowa City, IA.
- VanDam, M.** (2007, October). Lexical status and usage frequency affect fine structure of perceived linguistic categories. Talk presented at Boys Town National Research Hospital, Omaha, NE.
- VanDam, M.** (2007, June). Shifting the perception of phonological categories. Talk presented at Boys Town National Research Hospital, Omaha, NE.

Presentations, non-peer-reviewed

- Tully, T., & **VanDam, M.** (2017, April). Conversational turn-taking between dads and kids. Poster presented at the *2017 Inland Northwest Research Symposium*, Spokane, WA.
- Milton, K., & **VanDam, M.** (2017, April). Acoustic amplitude of environment in families of young children with hearing loss during conversational exchanges. Poster presented at the *2017 Inland Northwest Research Symposium*, Spokane, WA.
- Ahmann, H., Anderson, A., **VanDam, M.**, & Potter, N. (2014, March). Comparison of scores between traditional-paper and web-based versions of the Peabody Picture Vocabulary Test-

Fourth Edition. Poster presented at the *2014 Inland Northwest Research Symposium*, Spokane, WA.

Hansen, S., Jackson, R., & **VanDam**, M. (2014, March). The effects of sexual orientation on voice fundamental frequency. Poster presented at the *2014 Inland Northwest Research Symposium*, Spokane, WA.

Other published work

VanDam, M. (2019) *VanDam Public Daylong HomeBank Corpus*. doi:10.21415/T5QH5N. Available at <https://homebank.talkbank.org/access/Public/VanDam-Daylong.html>

VanDam, M. (2019). *Validation HomeBank Corpus*. doi:10.21415/T52M4D. Available at <https://homebank.talkbank.org/access/Public/VanDam-Validation.html>

VanDam, M. (2019). *Cougar HomeBank Corpus*. doi:10.21415/T5WT25. Available at <https://homebank.talkbank.org/access/Password/Cougar.html>

VanDam, M. (2016). *VanDam Public 5-Minute Corpus*. ISBN: 978-1-59642-915-4. doi:10.21415/T5388S. Available at <http://homebank.talkbank.org/access/VanDam.html>

VanDam, M., Warlaumont, A., MacWhinney, B., Soderstrom, M., Bergelson, E. (2016). *Vetting Manual: Preparation of Recordings for Unrestricted Publication in HomeBank*. doi:10.21415/T56H4M. Available at <http://homebank.talkbank.org/>

Patents & other intellectual property

VanDam, M. (2019, Jun 11). Vocal monitoring and biofeedback device. Patent number US 10,314,529 B2.

VanDam, M. (2015). Vocal monitoring and biofeedback device. Provisional patent number US 62184091.

Grants awarded

2020-2025	Co-Principal Investigator: "Literacy development for preschoolers with hearing loss," NIH-NIDCD 1R01-12967280 (\$301,711 to WSU)
2019-2023	Co-Investigator: "Preventing speech and language disorders in infants with classic galactosemia," NIH-NICHD 1R01-HD098253-01 (\$988,395)
2015-2020	Principal Investigator: "Collaborative Research: Enabling Access to and Analysis of Shared Daylong Child and Family Audio Data," NSF-SBE RIDIR-1539133 (\$281,958). In collaboration with A. S. Warlaumont (NSF-SBE RIDIR-1539129; \$447,225) and B. MacWhinney (NSF-SBE RIDIR-1539010; \$256,256); total amount of award is \$985,439
2016	Principal Investigator: "Advancing research and innovation with commercial value," Washington Research Foundation (\$5,000)
2015	WSU Offices of Research, Economic Development, and Commercialization travel grant (\$875)
2014-2015	Principal Investigator: "Speech and language use in families with a hard-of-hearing preschooler," WSU Spokane Seed Grant Program 124172-001 (\$15,000)
2008-2013	Research team member (in kind): "Moderators and functional outcomes in children with mild to severe hearing loss," NIH/NIDCD 5R01-DC009560, PIs: J. B. Tomblin and M. P. Moeller (\$10,991,007)

- 2009-2012 Consultant: "Hearing status and prosody in mother-child speech," NIH/NIDCD 5R03-DC009884, PI: N. A. Smith (\$430,455)
- 2009-2011 Co-investigator, Project director: "Moderators and functional outcomes in children with mild to severe hearing loss," American Recovery and Reinvestment Act (ARRA), NIH/NIDCD 5R01-DC009560-01S1; PIs: J. B. Tomblin and M. P. Moeller (\$470,431)
- 2008-2010 Principal Investigator: "Language production and linguistic memory in children with hearing loss," NIH/NICHHD Loan Repayment Program L40-DC009767 (\$33,388)
- 2007 Indiana University Department of Linguistics Graduate Support Fellowship Award (\$1,500)

Media appearances, mass media coverage of research (selected list)

- HomeBank database project
[Twitter post, WSU Medicine](#), 2015
[WSU College of Medicine press release](#), 2015
- Child-directed speech, motherese/fatherese
[CNN](#), 2017
[WTHI News](#) (Indianapolis, IN), 2017
[The Smithsonian](#), 2015
[TIME Magazine](#), 2015
[The Today Show](#), 2015
[BBC](#) (UK), 2015
[The Telegraph](#) (UK), 2015
[Babble \(Disney\)](#), 2015
[Huffington Post UK](#), 2015
[Science News](#) (Washington, DC), 2015
[Seattle Times](#), 2015
[Chicago Tribune](#), 2015
[Boston Herald](#), 2015
[Detroit Free Press](#), 2015
[ABC News](#) (Brisbane, Australia), 2015
[Audiology Worldnews](#), 2015
[WSU Health Sciences Extra](#), 2015
[BigThink](#) (New York, NY), 2015
[Science Daily](#) (Rockville, MD), 2015
[WSU News](#) (Pullman, WA), 2015
[Nyelv es Tudomány](#) (Hungary), 2015
[20 Minuten](#) (Germany), 2015
[Hindustan Times](#) (India), 2015
[ABC Sevilla](#) (Spain), 2015
[Nieuwsblad](#) (Belgium), 2015
[Naitre et Grandir](#) (Montreal, Quebec, Canada), 2015
[Tech Times](#), 2015
[The Independent](#) (UK), 2015
[The Guardian](#) (New York, NY), 2015
[The Times of India](#), 2015

[Headline and Global News](#) (New York, NY), 2015
[Red Orbit](#), 2015
[Irish Examiner](#) (Cork, Ireland), 2015
[Science World Report](#) (New York, NY), 2015
[Daily Times](#) (Lahore, Pakistan), 2015
[Health Site](#) (Mumbai, India), 2015
[Daily Mail](#) (London, UK), 2015
[MedicalXpress](#), 2015

Vocal monitor for Parkinson's disease

[The Inlander](#) (Spokane, WA), 2015
[WSU Spokane Magazine](#) (story on page 4), 2015
[BYU Radio, Top of Mind with Julie Rose](#), 2015

Honors and awards

Chancellor's Award for Leadership and Engagement (2018)
 WSU Entrepreneurial Faculty Ambassador (2015-present)
 ASHA Meritorious Poster Award (2011)
 National Institutes of Health Postdoctoral Fellow (2007-2009)
 National Institutes of Health Predoctoral Fellow (2006)
 Fred W. Householder Award (2006)
 Institute for Universal Language Honorarium (2004)
 Indiana University Linguistics Club Vice-President (2002)
 Indiana University Linguistics Club Travel Grant (2001, 2003)

Professional Associations

Acoustical Society of America (ASA)
 Linguistic Society of America (LSA)
 American Speech-Language-Hearing Association (ASHA)
 ASHA Special Interest Group Speech Science, (ASHA SIG-19)
 Association for Psychological Science (APS)
 Washington Center for Muscle Biology (WCMB)
 Daylong Audio Recordings of Children's Language Environment (DARCLE)
 International Congress for Infant Studies (ICIS)

State, national, and international service

Editorial board (as Editorial Board Member)

American Journal of Speech Language Pathology (2017-present)

Editorial board (as ad hoc reviewer)

American Journal of Speech Language Pathology
Applied Psycholinguistics
Behavioral Research Methods
Circuits, Systems, and Signal Processing
Clinical Linguistics & Phonetics
Cochlear Implants International
Ear & Hearing
Folia Phoniatica et Logopaedica

Journal of Child Language
Journal of Communication Disorders
Journal of Deaf Studies and Deaf Education
Journal of the Acoustical Society of America
Journal of Speech, Language, and Hearing Research
Language Learning and Development
 PLOS ONE
 Plural Publishing

Conference

Organizer, special session “Acoustic phonetic properties of infant- and child-directed speech” at the 177th Meeting of the Acoustical Society of America, Louisville, KY (2019)

Organizer, special session “Perception of speech directed toward infants and children” the 177th Meeting of the Acoustical Society of America, Louisville, KY (2019)

Organizer, paper symposium *Studying Language Development Through Human and Automated Annotation of Infants’ Natural Auditory Environments* at the 2016 International Conference on Infant Studies (ICIS), New Orleans, LA (2016)

Committee member, proposal reviewer, "Language in infants, toddlers, and preschoolers (LITP)" ASHA (2015, 2016)

Session Chair, *Meeting of the Acoustical Society of America* (2012, 2013, 2017, 2019)

Judge, student presentations, *Meeting of the Acoustical Society of America* (2012, 2013, 2014, 2015, 2016, 2017)

Judge, student presentations, *American Speech Language-Hearing Convention* (2013, 2015, 2016)

Technical

Member, committee to award the Raymond H. Stetson Scholarship in Phonetics and Speech Science, Acoustical Society of America (2019)

Member, Technical Committee, Speech Communication (SC), Acoustical Society of America (2015-2019)

Webmaster, Daylong Audio Recordings of Children’s Linguistic Environments (DARCLE), www.daracle.org (2015-present)

Department, college, university, and community service

Department (Speech & Hearing Sciences, WSU)

Chair, tenure-track faculty position search committee, Department of Speech and Hearing Sciences (2017-2018)

Chair, Research Committee (2013-present)

Member, Graduate Admissions Committee (2012-present)

Member, tenure-track faculty position search committee (E. Inglebret, Chair), Department of Speech and Hearing Sciences (2015-2016)

Drafted and submitted (with S. Bassett) a formal proposal to the College of Medical Sciences for additional faculty positions and academic resources (2013)

College (Elson S. Floyd College of Medicine, WSU)

Member, Area Finance Officer (AFO) search committee (C. Coppin, Chair), Elson S. Floyd College of Medicine (2014)

Reviewer, New Faculty Seed Grant, Health and Life Sciences – Applied panel, Elson S. Floyd College of Medicine (2019)

Reviewer, Faculty Excellence Award, WSU Health Sciences Spokane (2019)

University

Member, Faculty Retention, Promotion, and Tenure Committee (FRPT), WSU (2017-present)

Member, Conflict of Interest Committee (COIC), WSU (2017-present)

Reviewer, Auvil Scholars Fellowship Award and Scott and Linda Carson Undergraduate Research Excellence Award, Office of Undergraduate Research, WSU (2017)

Member, Advisory Committee on Research Computing (ACRC), WSU Health Sciences Spokane, (2016-present)

Member, Faculty Council Executive Committee (FCEC), Elson S. Floyd College of Medicine, WSU (2016-present)

Member, Scholarly Projects Committee, Elson S. Floyd College of Medicine, WSU (2016-present)

Advisor, high-performance computing core initiative, College of Medicine, WSU (2016-present)

Member, administrative assistant search committee, Elson S. Floyd College of Medicine, WSU (2016)

Ambassador and Spokane Chapter Liaison, *Entrepreneurial Faculty Ambassadors*, WSU (2015-present)

Judge, *Healthcare Team Challenge* (Spokane Riverpoint Campus) (2013, 2014, 2015, 2017)

Judge, *Medication Safety Poster Competition*, Department of Pharmacotherapy, College of Pharmacy, WSU (2014, 2015, 2016, 2017)

Faculty sabbatical host of Visiting Scientist Paul De Palma, Professor, Computer Science, Gonzaga University (2014-2015)

Informal advisor to students in the School of Electrical Engineering and Computer Science, Voiland School of Chemical Engineering and Bioengineering, College of Education, and Integrative Physiology and Neuroscience, WSU (2012-present)

Community

Organizer and faculty host, MED EL Speaker Series Workshop, “Communication development for children who are Deaf and Hard of Hearing: Therapy & Assessment,” Spokane, WA (2020)

Advisory board member, River Point Academy, Spokane, WA (2019)

Organizer and host, Spokane Innovator Network (SINE) Function, (2016, 2017a, 2017b, 2018a, 2018b)

Board member at large, Spokane Hearing Oral Program of Excellence (HOPE) School (2015-present)

Senior Board Member (co-founder), Daylong Audio Recordings of Children’s Linguistic Environments (DARCLE), www.daracle.org (2015-present)

Judge, *Senior Design Project*, School of Engineering and Applied Science, Gonzaga University (2013)

Advisor to undergraduate students in the Departments of Computer Science, Mathematics,
and Engineering at Gonzaga University (2012-present)

Advisor to students in EWU Department of Communication Disorders (2012-present)

Courses taught

Evidence Based Medicine (Elson S. Floyd College of Medicine, WSU)

Research Methods (WSU & EWU)

Speech & Hearing Sciences (WSU & EWU)

Special Topics in Speech and Hearing Science (WSU & EWU)

English Composition (Metropolitan Community College, Omaha, NE)

English Variation in the US (University of Wisconsin–Madison)

English Phonology (University of Wisconsin–Madison)

Introduction to the Study of Language (Indiana University)

Language and Religion (Indiana University)

Freedom of Speech in the US (Indiana University)

Students

Master's degree committees, by year degree conferred or expected (* = chair of committee)

2012: J. Whittles, A. Nix, K. Jones

2013: K. Weeks*, M. Duckett*, K. Meyer*, L. Sundquist, E. Sebring, H. Wagner, K. Duffy, L. Johnson

2014: E. White*, M. Gilman*, A. Anderson*, H. Ahman*, M. Lynch, E. Romaneschi, S. Hanson, A. McCarthy, H. Kranches, C. Cook, N. Jones, M. Watts

2015: K. Carns*, E. Clark*, E. Kelly*, M. King*, W. Strong*, E. Boorujy*, A. Behmer, L. Burrows

2016: E. Destromp*, C. Eggert*, T. Kim*, C. McCaslin*, R. Bechtolt, A. Chipman, A. Elwood, C. Snow, M. Wilson

2017: B. Bennetch*, C. Jessup*, N. Pingree*, D. Shuren*, K. Milton*, T. Tully*, M. Brendal, P. Watkins, C. T. Harland, S. Wattier

2018: H. Heid*, M. Reid*, S. McDonald*, C. Eng, N. Frohlich, R. Hyslop, J. McCauley, B. Mulvaney, K. Wronkiewicz

2019: E. V. Benetti*, S. D. Campanella*, I. G. Luchini*, L. M. Moore-Hereford*, K. A. Wolfenstein*, A. N. Goodwin, M. Conklin

2020: R. Averett*, S. Carrothers, O. DuPree, K. Franklin, R. Hibben*, J. Klassen, H. Nystrom, R. Roberts, T. Willard

Undergraduate and postbaccalaureate honors

2013: L. Lehl

2014: L. Lehl, R. Brown

2015: C. Stoddard, H. Matalone, T. Bookhout, H. Heid, M. Treviño

2016: S. Beatty, E. Benetti, J. Jahn, M. Joseph, J. Anderst, A. Gollapali

2017: J. Anderst, A. Saur, R. Hibben, A. Clemons, S. Banka, D. Baker, A. Coggins

2018: J. Anderst, A. Saur, R. Hibben, S. Banka, D. Baker, A. Coggins

2019: A. Clemons, A. Saur, S. Shear, A. Suurkask, S. Banka, A. Brack, B. Bazaldua

Languages studied

Natural: English (native), German (advanced), French (proficient), American Sign Language (proficient), Chinese (familiar), Spanish (familiar), Hungarian (familiar)
Artificial: MATLAB (advanced), XML/HTML (advanced), Praat (advanced), R (proficient), Python (proficient), Perl (proficient), JavaScript (familiar), PHP (familiar), C/++ (familiar)