Kasia Hitczenko

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EMPLOYMENT

Assistant Professor	2025-pres.
Department of Linguistics and Cognitive Science, University of Delaware	
(on leave Fall 2025)	
Assistant Professor of Practice	2024-2025
Department of Computer Science, The George Washington University	
Visiting Assistant Professor	2024
Department of Computer Science, The George Washington University	
Postdoctoral Researcher	2022-2023
Laboratoire de Sciences Cognitives et Psycholinguistique, Ecole Normale Supérieure	
Advisor: Dr. Alejandrina Cristia	
(on leave Fall 2023)	
Postdoctoral Researcher	2019-2021
Department of Linguistics, Northwestern University	
Advisors: Dr. Matthew Goldrick, Dr. Vijay Mittal, and Dr. Joseph Keshet	

EDUCATION

University of Maryland, College Park	2014-2019
Ph.D. in Linguistics	
Advisor: Dr. Naomi Feldman	
Yale University	2010-2014
B.A. in Cognitive Science, *summa cum laude*	
Advisor: Dr. Gaja Jarosz	

PUBLICATIONS

In Progress

Hitczenko, K., Bergelson, E., Casillas, M., Colleran, H., Cychosz, M., Grosjean, P., Hamrick, L. R., Kelleher, B. L., Scaff, C., Seidl, A., Walker, S., and Cristia, A. (accepted) A cross-linguistic study of the effect of early experience on vocal development. Registered Report Stage 1 Accepted at Developmental Science.

Hitczenko, K., Peurey, L., Havard, W. N., Tey, K. J., Seidl, A., Semenzin, A., Scaff, C., Lavechin, M., Kelleher, B., Hamrick, L., Gautheron, L., Cychosz, M., Casillas, M., & Cristia, A. (in revision). Speech Maturity Dataset: A cross-cultural corpus of naturalistic child and adult vocalizations.

Muller, H., Gaston, P., Dickerson, B., Liter, A., Durvasula, K., Hirzel, M., **Hitczenko, K.**, Kandel, M., Lyskawa, P., Nelligan, J., Papillon, M., & Perkins, L. (in revision). Gender bias in representation and publishing rates across subfields.

Journal Articles

Segal-Feldman, Y., **Hitczenko, K.**, Goldrick, M., Buchwald, A., Roberts, A., & Keshet, J. (2025). Enhancing analysis of diadochokinetic speech using deep neural networks. Computer Speech & Language.

Hitczenko, K., Segal, Y., Keshet, Y., Goldrick, M., & Mittal, V. A. (2023). Speech characteristics yield important clues about motor function: Speech variability in individuals at clinical high-risk for psychosis. Schizophrenia, *9*(1), 60.

Hitczenko, K. & Feldman, N. H. (2022). Naturalistic speech supports distributional learning across contexts. Proceedings of the National Academy of Sciences, *119*(38), 32123230119.

Havron, N., Scaff, C., **Hitczenko, K.**, and Cristia, A. (2022). Community-set goals are needed to increase diversity in language acquisition research: A commentary on Kidd and Garcia (2022). First Language.

Hitczenko, K., Cowan, H. R., Goldrick, M., and Mittal, V. A. (2021). Racial and ethnic biases in computational approaches to psychopathology. Schizophrenia Bulletin, *48*(2), 285-288.

Hitczenko, K., Mittal, V. A., & Goldrick, M. (2021). Understanding language abnormalities and associated clinical markers in psychosis: The promise of computational methods. Schizophrenia Bulletin, *47*(2), 344-362.

Corcoran, C., Mittal, V. A., Bearden, C. E., Gur, R., **Hitczenko, K.**, Bilgrami, Z., Savic, A., Cecchi, G. A., & Wolff, P. (2020). Language as a biomarker for psychosis: A natural language processing approach. Schizophrenia Research, *226*, 158-166.

Hitczenko, K., Mazuka, R., Elsner, M., & Feldman, N. H. (2020). When context is and isn't helpful: A corpus study of naturalistic speech. Psychonomic Bulletin & Review, *27*(4), 640-676.

Conference Proceedings with Full Paper Peer Review

Zhang, T., Suresh, M., Warlaumont, A. S., **Hitczenko, K.**, Cristia, A., Cychosz, M. (2025). Employing self-supervised learning models for cross-linguistic child speech maturity classification. INTERSPEECH 2025.

Hitczenko, K., Bergelson, E., Casillas, M., Colleran, H., Cychosz, M., Grosjean, P., Hamrick, L. R., Kelleher, B. L., Scaff, C., Seidl, A., Walker, S., & Cristia, A. (2023). The development of canonical proportion continues past toddlerhood. Proceedings of the 20th International Conference of Phonetic Sciences (ICPhS), Prague, Czech Republic.

Segal, Y., **Hitczenko, K.**, Goldrick, M., Buchwald, A., Roberts, A., & Keshet, J. (2022). DDKtor: Automatic diadochokinetic speech analysis. INTERSPEECH 2022.

Hitczenko, K., Cowan, H. R., Mittal, V. A., & Goldrick, M. (2021). Automated coherence measures fail to index thought disorder in individuals at risk for psychosis. Workshop on Computational Linguistics and Clinical Psychology.

Hitczenko, K., Mazuka, R., Elsner, M., & Feldman, N. H. (2018). How to use context to disambiguate overlapping categories: The test case of Japanese vowel length. Proceedings of the 40th Annual Conference of the Cognitive Science Society.

Hitczenko, K. & Feldman, N. H. (2016). Modeling adaptation to a novel accent. Proceedings of the 38th Annual Conference of the Cognitive Science Society.

Book Chapters and Other Conference Proceedings

Gupta, T., Damme, K. S. F., Osborne, K. J., Vargas, T. G., Ristanovic, I., Frosch, I. R., Zarubin, V. C., **Hitczenko, K.**, Williams, T. F., Cowan, H. R., & Mittal, V. A. (2021). Psychotic disorders and risk-states in adolescence: Etiology, developmental considerations, and treatment. In Comprehensive Clinical Psychology 2nd edition, Volume 5: Case conceptualization and treatment: Children and adolescents.

Antetomaso, S., Miyazawa, K., Feldman, N. H., Elsner, M., **Hitczenko, K.**, & Mazuka, R. (2017). Modeling phonetic category learning from natural acoustic data. Proceedings of the 41st Boston University Conference on Language Development.

Hitczenko, K. & Jarosz, G. (2014). Cognitive limitations impose advantageous constraints in word segmentation. Proceedings of the 39th Boston University Conference on Language Development.

PRESENTATIONS

Conferences and Workshops

Zhang, T., Suresh, M., Warlaumont, A. S., **Hitczenko, K.**, Cristia, A., Cychosz, M. (2025). Employing self-supervised learning models for cross-linguistic child speech maturity classification. Poster presented at INTERSPEECH 2025.

Cychosz, M. **Hitczenko, K.**, Havard, W. N., Peurey, L., Suresh, M., Zhang, T., & Cristia, A. (2024). Introducing the Speech Maturity Dataset: Research opportunities for speech scientists and linguistic fieldworkers. Paper presented at CorpusPhon, Seoul, South Korea.

Tey, K. J., Walker, S., Seidl, A., Scaff, C.. Peurey, L., Kelleher, B. L., **Hitczenko, K.**, Havard, W. N., Hamrick, L. R., Grosjean, P, Cychosz, M., Colleran, H., Casillas, M., Bergelson, E., & Cristia, A. (2024). Exploring the Impact of Syllable Complexity on Canonical Proportion in Children: Insights from a Multilingual and Cross-cultural Study. Poster presented at the Workshop on Infant Language Development (WILD), Lisbon, Portugal.

Havard, W. N., Peurey, L., Cristia, A., & **Hitczenko, K.** (2023). Speech Maturity Dataset. Poster presented at Many Paths to Language (MPaL), Nijmegen, Netherlands.

Hitczenko, K., Bergelson, E., Casillas, M., Colleran, H., Cychosz, M., Grosjean, P., Hamrick, L. R., Kelleher, B. L., Scaff, C., Seidl, A., Walker, S., & Cristia, A. (2023). The development of canonical proportion continues past toddlerhood. Paper presented at the 20th International Conference of Phonetic Sciences (ICPhS), Prague, Czech Republic.

Hitczenko, K., Segal, Y., Keshet, J., Mittal, V., & Goldrick, M. (2023). Using automatic acoustic analysis to reveal disruptions to speech articulation in individuals at risk for psychosis. Poster presented at the 184th Meeting of the Acoustical Society of America, Chicago, IL, USA.

Hitczenko, K., Bergelson, E., Casillas, M., Colleran, H., Cychosz, M., Grosjean, P., Hamrick, L. R., Kelleher, B. L., Scaff, C., Seidl, A., Walker, S., & Cristia, A. (2022). The development of canonical proportion continues through 6 years of age. Paper presented at the 47th Boston University Conference on Language Development (BUCLD), Boston, MA, USA.

Segal, Y., **Hitczenko, K.**, Goldrick, M., Buchwald, A., Roberts, A., and Keshet, J. (2022). DDKtor: Automatic diadochokinetic speech analysis. Poster presented at INTERSPEECH 2022, Incheon, South Korea.

Hitczenko, K., Cowan, H. R., Mittal, V. A., & Goldrick, M. (2021). Automated coherence measures fail to index thought disorder in individuals at risk for psychosis. Poster presented at the Workshop on Computational Linguistics and Clinical Psychology.

Hitczenko, K. & Feldman, N. H. (2019). Naturalistic data support distributional learning across contexts. Poster presented at the 44th Boston University Conference on Language Development, Boston, MA, USA.

Hitczenko, K., Mazuka, R., Elsner, M., & Feldman, N. H. (2019). Normalization may be ineffective for phonetic category learning. Poster presented at the 2nd Annual Meeting of the Society for Computation in Linguistics, New York, NY, USA.

Muller, H., Gaston, P., Dickerson, B., Liter, A., Durvasula, K., Hirzel, M., **Hitczenko, K.**, Kandel, M., Lyskawa, P., Nelligan, J., Papillon, M., & Perkins, L. (2019). Gender bias in representation and publishing rates across subfields. Paper presented at the 92nd Annual Meeting of the Linguistic Society of America, New York, NY, USA.

Hitczenko, K., Mazuka, R., Elsner, M., & Feldman, N. H. (2018). Normalization may be ineffective for phonetic category learning. Poster presented at the 43rd Boston University Conference on Language Development, Boston, MA, USA.

Hitczenko, K., Mazuka, R., Elsner, M., & Feldman, N. H. (2018). How to use context to disambiguate overlapping categories: The test case of Japanese vowel length. Paper presented at the 40th Annual Conference of the Cognitive Science Society, Madison, WI, USA.

Hitczenko, K., Mazuka, R., Elsner, M., & Feldman, N. H. (2017). Exploring the efficacy of normalization in the acquisition and processing of Japanese vowels. Paper presented at the 11th Northeast Computational Phonology workshop, Stony Brook, NY, USA.

Antetomaso, S., Miyazawa, K., Feldman, N. H., Elsner, M., **Hitczenko, K.**, & Mazuka, R. (2016). Modeling phonetic category learning from natural acoustic data. Paper presented at the 41st Boston University Conference on Language Development, Boston, MA, USA.

Hitczenko, K. & Feldman, N. H. (2016). Modeling adaptation to a novel accent. Poster presented at the 38th Annual Conference of the Cognitive Science Society. Philadelphia, PA, USA.

Hitczenko, K. & Feldman, N. H. (2015). Modeling adaptation to a novel accent. Paper presented at the 9th Northeast Computational Phonology workshop, Newark, DE, USA.

Hitczenko, K. & Jarosz, G. (2014). Cognitive limitations impose advantageous constraints in word segmentation. Paper presented at the 39th Boston University Conference on Language Development, Boston, MA, USA.

Hitczenko, K. & Jarosz, G. (2014). Cognitive limitations impose advantageous constraints in word segmentation. Poster presented at the 36th Annual Conference of the Cognitive Science Society. Quebec City, Canada.

TEACHING

Courses

Instructor, Natural Language Understanding (GWU)　　　Spring 2024, Fall 2024, Spring 2025
Full responsibility for the mixed grad/undergrad course, including course design

Instructor, Introduction to Programming with Python (non-CS majors) (GWU) Spring 2025
Shared responsibility for the undergrad course, including managing 6 undergraduate/graduate TAs

Instructor, Discrete Structures II (GWU) Fall 2024
Shared responsibility for the undergrad course, including managing 6 undergraduate/graduate TAs

Instructor, Bayesian Models of Language (Northwestern) Winter 2020
Full responsibility for the mixed grad/undergrad course, including course design

Instructor, Psycholinguistics Seminar: Learning from Variable Speech (UMD) Fall 2018
Full responsibility for the undergrad course, including course design

Teaching Assistant, Phonology I (UMD) Fall 2016
Responsible for two lectures, leading in-class problems, office hours, and grading

Graduate Mentor, PULSAR Program (UMD) Spring 2016
Co-led a weekly undergraduate seminar involving language science guest speakers

Teaching Assistant, Introduction to Linguistics (non-majors) (UMD) Fall 2015
Responsible for a weekly discussion section (30 students), office hours, and grading

Invited Tutorials

Bayesian Methods, co-led with Dr. Laurel Perkins January 2019
2nd Annual Meeting of the Society for Computation in Linguistics

Introduction to MATLAB April 2017
UMD Hearing and Speech Sciences Toolkit Workshop

AWARDS AND FELLOWSHIPS

NIH T32 Neuroscience of Human Cognition Trainee 2021
Northwestern University, PI: Ken Paller

NSF Research Traineeship Fellowship 2015-2019
UMD Language Science Center (#1449815)

BUCLD Paula Menyuk Travel Award 2014, 2018

NSF East Asia and Pacific Summer Institutes (EAPSI) Fellowship (#1713974) 2017

NSF Graduate Research Fellowship Honorable Mention 2016

Phi Beta Kappa Society Inductee 2013

SERVICE

Bias in Linguistics group member 2018-pres.

Northwestern Phonatics discussion group organizer 2020-2021

Outreach Organization Committee, UMD Language Science Center 2015-2017
Co-chair: 2016-2017

Colloquium Organization Committee, University of Maryland Linguistics 2015-2017

UMD North American Computational Linguistics Olympiad (NACLO) co-organizer 2015-2017

Maryland Day Language Science Tent Organizer 2016

Mayfest Workshop Co-organizer, UMD Linguistics 2014-2015

Adhoc Reviewing: Cognition; Language Learning and Development; Developmental Psychology; Psychonomic Bulletin & Review; Annual Meeting of the Association for Computational Linguistics (ACL); Annual Meeting of the North American Chapter of the Association for Computational Linguistics (NAACL); International Conference on Computational Linguistics (COLING); Journal of Abnormal Psychology; Attention, Perception and Psychophysics; Schizophrenia Bulletin; Psychiatry Research; Annual Meeting of the Cognitive Science Society (CogSci); Society for Computation in Linguistics (SCiL); Applied Linguistics