

Curriculum Vitae

James C. Baybaş

University of Michigan
 Department of Linguistics
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Education

- 2023-2028 **Ph.D. in Linguistics**
 Advisor: Dr. Jonathan Brennan
University of Michigan, Ann Arbor, MI
- 2021-2023 **B.A. in Psychology, High Honors**
 Minor in Linguistics
University of Michigan, Ann Arbor, MI
 GPA: 3.78/4.0
- 2019-2020 **B.A. in Psychology**
 Minor in Linguistics
Eastern Michigan University, Ypsilanti, MI
 GPA: 4.0/4.0

Honors & Awards

- 2026 Rackham Graduate School **Rackham Humanities Research Fellowship**
- 2023 University of Michigan **High Honors Designation**
- 2023 *Nomination* for **FABBS Undergraduate Research Excellence Award**
- 2023 *Nomination* for University of Michigan **Language, Science & Arts Honors Award**
- 2022 Students Tackling Advanced Research (STAR) Scholars Program **Shining Star Award**

Presentations

- 2026 **Baybaş, J.**, Lin, D.Y., Lu, S., Brennan, J.R. *Bilingual code-switch processing in natural conversation with EEG*. Workshop on Multilingual Language Processing: Multilingual Minds and Machines Meeting. Max Planck Institute for Psycholinguistics, Nijmegen, Netherlands. June 22nd. [poster]
- 2026 Wang, Y., Eggleston, R., **Baybas, J.**, Chen, N., Lin, W.-H., Di, Z., Witkowska, A., Booth, J. R., Deacon, H., Kovelman, I. (2026). *Are lexical morphemes more than sound + meaning? A cross-modal fNIRS priming study with English monolinguals, Spanish-English and Chinese-English bilinguals*. The 46th Annual Symposium on

- Research in Child Language Disorders. Madison, Wisconsin. June 4-6. [poster]
- 2026 Salig, L. K., **Baybaş, J.**, Fang, H-Y., Witkowska, A., Shen, Z., Brennan, J.R., Kovelman, I., Goldin-Meadow, S. *Effect of co-speech gestures on processing of lexical surprisal during story listening*. The 39th Annual Conference on Human Sentence Processing. MIT, Cambridge, MA. March 27th. [poster]
- 2026 Brennan, J.R., **Baybaş, J.**, Bhushan, S., Segal, N., Campos, S., Huang, X., Jesien, S., McCullough, R., Möessmer, M., Stain, G., Stork, E., Wu, H-J., Zeng, Y., Levinson, L. *Alignment between human reading and large language models varies across word class*. The 39th Annual Conference on Human Sentence Processing. MIT, Cambridge, MA. March 26th. [poster]
- 2025 **Baybaş, J.**, Lin, D.Y., Lu, S., Brennan, J.R. *Bilingual code-switching comprehension in natural conversation with EEG*. The 17th Annual Meeting of the Society for Neurobiology of Language. Gallaudet University, Washington, D.C. September. [poster]
- 2025 Klepko, J., **Baybaş, J.**, Brennan, J.R. *Stability of speech tracking in conversation with EEG*. Undergraduate Research Opportunity Program (UROP) Spring Research Symposium. University of Michigan. April 23rd. [poster]
- 2024 Eggleston, R. L., **Baybaş, J.**, Raybuck, R., & Kovelman, I. *Brain bases of morphology and word reading in children with dyslexia*. Annual Meeting of the International Dyslexia Association Reading, Literacy, & Learning Conference. Dallas, TX. October 25th. [poster]
- 2023 **Baybaş, J.**, Eggleston, R. L., & Kovelman, I. *How do we read complex words? A morphological fNIRS priming study*. The 15th Annual Meeting of the Society for Neurobiology of Language. Marseille, France. October 25th. [poster]
- 2023 **Baybaş, J.**, Yu, C-L., & Kovelman, I. *Natural language comprehension in the developing brain: A computational neurolinguistics perspective*. Yale/Wu Tsai Institute fNIRS Workshop. Yale University. September 22nd. [presentation]
- 2023 **Baybaş, J.**, Eggleston, R. L., & Kovelman, I. *How do we read complex words? A morphological priming study*. Michigan Summer Program in Cognition and Early Development (MSPICED) Data Blitz. Department of Psychology, University of Michigan. June 19th. [presentation]
- 2023 **Baybaş, J.**, Eggleston, R. L., & Kovelman, I. *How do we read complex words? A morphological priming study*. Undergraduate Research Forum. Department of Psychology, University of Michigan. April 24th. [poster]

Teaching

- 2026 **Graduate Student Instructor**, LING 315: Introduction to Syntax with Dr. Doug Merchant. Fall 2026. Department of Linguistics, University of Michigan.
- 2025 **Head Graduate Student Instructor**, LING 347: Talking Minds with Dr. Lisa Levinson. Fall 2025. Department of Linguistics, University of Michigan.

- 2025 **Graduate Student Instructor**, COGSCI 200: Introduction to Cognitive Science with Dr. Richard Lewis. Winter 2025. Weinberg Institute for Cognitive Science, University of Michigan.
- 2024 **Graduate Student Instructor**, LING 347: Talking Minds with Dr. Lisa Levinson. Fall 2024. Department of Linguistics, University of Michigan.

Service

- 2025-2026 **Committee of Outreach and Inclusive Practices**, Department of Linguistics, University of Michigan
- 2025 **Panelist**, Cognitive Science Community, Graduate School Professional Development Panel. April 2025. Student Organization, University of Michigan.
- 2024-2025 **Member**, Departmental Action Teams for Equitable Teaching (DATET) Pilot Program. College of LS&A, Department of Linguistics, University of Michigan.
- 2024-2025 **Committee of Outreach and Inclusive Practices**, Department of Linguistics, University of Michigan.
- 2024-2025 **Organizer**, Psycholinguistics Discussion Group. Department of Linguistics, University of Michigan.
- 2023-2024 **Co-organizer**, Psycholinguistics Discussion Group. Department of Linguistics, University of Michigan.
- 2023-2024 **Undergraduate Committee**, Department of Linguistics, University of Michigan.
- 2023 **Mentor**, Michigan Summer Program in Cognition and Early Development (MSPICED). 2023. Department of Psychology, University of Michigan.
- 2022 **Panelist**, Students Tackling Advanced Research (STAR) Scholars Program. Professional Development Workshop. October 2022. Department of Psychology, University of Michigan.
- 2022 **Mentor**, Michigan Summer Program in Cognition and Early Development (MSPICED). 2022. Department of Psychology, University of Michigan.
- 2022 **Panelist**, CSP Summer Bridge Program. Undergraduate Research Panel. July 2022. Department of Psychology, University of Michigan.

Research Experience

- 2025-2026 **Graduate Research Assistant**, Language & Literacy Lab (PI: Dr. Ioulia Kovelman). Department of Psychology, University of Michigan.
- 2022-2023 **Research Assistant**, Language & Literacy Lab (PI: Dr. Ioulia Kovelman). Department of Psychology, University of Michigan.
Standardized language & literacy assessments and neuroimaging with children (ages 6-12). Data collection and organization. Grant editing and revision.

Conceptual development and actualization of experimental designs.

2022-2023 **Honors Undergraduate Thesis**, Language & Literacy Lab (Advisor: Dr. Ioulia Kovelman). Department of Psychology, University of Michigan.
Study title: How do we read complex words? A lexical morphology priming study
Skills developed: Formulation of a research study. Designing a neurocognitive experiment with linguistic variables. Statistical analyses. Cross-institutional networking (Dr. Helene Deacon, Dalhousie University, Halifax, Nova Scotia).

2022-2023 **Research Assistant**, Michigan Summer Program in Cognition and Early Development (MSPICED), Language & Literacy Lab (PI: Dr. Ioulia Kovelman). Department of Psychology, University of Michigan
Duties: Mentoring and training incoming interns (up to 6 students). Data collection, organization, and project management.

Professional Development

2022 **Student**, Summer Statistics Workshop. June-August 2022. Department of Psychology, University of Michigan.

2022 **Student**, Students Tackling Advanced Research (STAR) Scholars Program. Winter 2022. Department of Psychology, University of Michigan.

Research Interests

Cognitive Neuroscience (fNIRS, EEG)
Psycho-/Neuro-linguistics
Bilingualism & Code-switching
Developmental Psychology

Skills

Technical: PsychoPy, Python, MNE Python, Praat, R programming, MATLAB, NIRx Aurora, EPrime

Languages: English (native speaker), Turkish (native speaker), Spanish (intermediate), Mandarin Chinese (novice), Korean (novice)