

## E. EMORY DAVIS

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### PROFESSIONAL PROFILE

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- 7+ years of research experience in cognitive development, language acquisition, linguistics, psychology
- Expertise in project management, primary data collection, experimental design, and data analysis using quantitative and qualitative methods
- Excellent written and oral communication skills
- 7+ years of experience developing and maintaining positive relationships with customers, clients, and institutional partners
- 5+ years of experience in product and market development, product support and usability, and customer service

### EDUCATION

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Ph.D., Cognitive Science, Johns Hopkins University, 2019

M.A., Cognitive Science, Johns Hopkins University, 2016

B.A., Linguistic Anthropology (Psychology Minor), Barnard College, Columbia University, 2007

### SKILLS

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#### Quantitative and qualitative data collection and analysis

- Design and implementation of empirical research studies with children and adults
- Coding and analysis of child language corpus data, behavioral data, and eye-tracking data
- Descriptive and inferential statistical methods, including regression analysis
- Proficient in R and Excel; basic knowledge of Python, Unix, HTML
- Collecting customer feedback through product reviews, surveys, and support calls

#### Leadership, collaboration and management

- Training, supervision and mentoring of research assistants and undergraduate students
- Collaboration with diverse teams in multiple professional settings
- Establishing and maintaining relationships and partnerships with other labs, child care centers, families, clients, and customers
- Management of Institutional Review Board (IRB) protocols, including annual reviews
- Course development and instruction

#### Research and professional communication

- Writing for peer-reviewed publications and IRB applications
- Presenting research to technical and non-technical audiences
- Developing instructional and informational materials for a variety of audiences
- Providing product information and training to clients and customers
- Participant recruitment

### PROFESSIONAL EXPERIENCE

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**Johns Hopkins University, Department of Cognitive Science and School of Education, Baltimore, MD**

*Postdoctoral Research Fellow*, January 2020-present

- Serve as lead on project examining the development and use of visual-spatial representations in children and adults through block construction, using experimental and computational approaches to gather and analyze behavioral and eye-tracking data
- Coordinate interdisciplinary research team on data collection, coding, and analysis, development and implementation of proprietary software, and preparation of publications and presentations
- Design and administer empirical research studies on spatial cognition, language acquisition, and cognitive development; identify and conduct appropriate statistical analyses
- Prepare research findings for publication in peer-reviewed journals and for presentations at conferences, departmental talks, and other venues; published 3 papers and gave 7 conference presentations
- Supervise undergraduate research assistants for remote and in-lab work; trained, supervised, and mentored 6 research assistants for 1-6 semesters of work in the Language and Cognition Lab

- Review scientific literature to identify research and methods relevant to current projects
- Manage two IRB protocols for Language and Cognition Lab, including annual reviews and changes to existing protocols; helped to develop the lab's online data collection protocol
- Assist with managing expenses and budget for research grant and Language and Cognition Lab funds
- Designed and taught 2 sections of first-year science seminar course on Theory of Mind in Fall 2020

**Johns Hopkins University, Department of Cognitive Science, Baltimore, MD**

*Graduate Student Researcher, Teaching Assistant, and Course Instructor, August 2014-December 2019*

- Designed and implemented corpus-based and empirical research studies on children's language development, and analyzed data from these studies using a range of statistical methods
- Prepared research findings for publication in peer-reviewed journals and for presentations at academic conferences and departmental talks
- Supervised and mentored 6 undergraduate research assistants for 1-5 semesters
- Instructor for 3 undergraduate-level courses and teaching assistant for 7 graduate- and undergraduate-level courses
- Managed IRB protocol for Language and Cognition Lab, including annual reviews and protocol changes
- Established and maintained working relationships with local child care centers for participant recruitment and running experiments on site

**Informz, Inc., Saratoga Springs, NY**

*eMarketing Advisor, December 2012– July 2014*

- Provided client trainings and technical support on email marketing product capabilities
- Developed and maintained a trusted relationship with clients, advised on email marketing best practices
- Uncovered revenue opportunities with existing clients to sell new features and professional services
- Worked with software development team to resolve product issues and identify improvement areas

**McGraw-Hill Higher Education, New York, NY**

*Sales Representative, Humanities, Social Sciences, & Languages, January 2012 – November 2012*

- Developed and implemented textbook sales strategies for Albany, NY-based territory of 12 colleges and universities, consulting with sales management and product teams
- Determined customer needs and worked with customers to create print and digital course solutions
- Built relationships with key decision makers, including faculty, administrators, bookstore managers
- Provided presentations, training, and support for digital and custom products

*Market Development Coordinator, Psychology and Education, October 2007 – January 2012*

- Planned, implemented, and evaluated market development strategies for key first edition textbooks, growth titles, and digital products, working with editorial, marketing, and sales teams
- Arranged product development activities with instructors; worked directly with over 1200 faculty and customers on short- and long-term projects

**SELECTED PUBLICATIONS AND PRESENTATIONS**

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- Shelton, A. L., **Davis, E. E.**, Cortesa, C. S., Jones, J. D., Hager, G. D., Khudanpur, S., & Landau, B. (2022). Characterizing Spatial Construction Processes: Cognitive Constraints and Variability. *Cognitive Science* 46(1), e13081.
- **Davis, E. E.**, & Haque, N. Effects of COVID-19 pandemic social isolation on children's Theory of Mind development. Poster: Cognitive Development Society Biennial Conference, Madison, WI, 2022.
- **Davis, E. E.**, & Landau, B. (2021). Seeing and believing: The relationship between perception and mental verbs in acquisition. *Language Learning and Development* 17(1), 26.
- **Davis, E. E.**, & Landau, B. Seeing vs. Seeing That: Children's Understanding of Direct Perception and Inference Reports. (2021). *Proceedings of Experiments in Linguistic Meaning* 1, 125-135.
- **Davis, E. E.** & Landau, B. What counts as seeing? Young children's comprehension of Direct Perception and Inference reports. Talk: 46th Annual Boston University Conference on Language Development, 2021.
- **Davis, E. E.**, Jones, J. D., McKee, K. K., Shelton, A. L., & Landau, B. The importance of stability in children's and adults' block-building. Poster: Annual Virtual Meeting of the Cognitive Science Society, 2021.