

Adanna Thomas

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Education

Boston University, College of Arts and Sciences

Boston, MA

B.A. in Neuroscience, Minor in Linguistics

May 2023

Relevant Coursework: CAS NE203: Principles in Neuroscience with Lab, CAS NE204: Intro to Computational Models of Brain and Behavior, CAS NE212: Intro to MATLAB Programming for Research in Psychological and Brain Sciences, CAS NE328: Experimental Psychology: Memory & Cognition, SAR SH501: Neurobiology of Language

Activities: Executive Board member of BU Naturally, Club member and mentor of Boston University's Women in Neuroscience club, Club member and mentor in Boston University's Mind and Brain Society

Research Experience

Advanced Analytics & AI for Communication Science Group at MGH IHP

Boston, MA

Clinical Research Coordinator

Nov 2025 - Present

- Administered standardized and in-house experimental measures to test the intuitive physics of school-aged children
- Mentored undergraduate research assistants to help them reach their research goals and complete their projects over their rotation
- Corresponded with the Principal Investigator and research collaborators about potential task design and stimuli generation
- Programmed neural network models to replicate human intuitive physics judgements for various standardized measures

McDermott Lab for Computational Audition at MIT

Boston, MA

Research Assistant

Oct 2024 - Oct 2025

- Oversaw outreach and recruitment efforts for adult in-person data collection using posters and advertising services like Craigslist
- Created and maintained strong rapport with participants, resulting in returning volunteers and new referrals from past participants
- Facilitated in-person data collection across multiple auditory perception studies using a large speaker array on adults ages 18-40
- Participated in pilot data collection for multiple auditory perception studies
- Counseled with PhD candidates and postdocs about task design for multiple projects

Zuk Communication and Neurodevelopment Lab at Boston University

Boston, MA

Research Fellow

Sept 2023 - Sept 2024

- Adapted and troubleshooted experimental tasks probing prosodic perception in E-Prime 3.0
- Counseled with postdocs, PhD candidates, and the Principal Investigator about potential task design for multiple projects
- Administered standardized and in-house language measures on children from infancy to school-age
- Gained experience working with data collection and recruitment for vulnerable populations, in this case autistic children
- Trained on and executed experimental tasks using MRI on school-aged children
- Oversaw community outreach and recruitment efforts for families of potential participants
- Worked closely with the lab manager to carry out lab operations such as server management, personnel training, and outside correspondence
- Compiled materials for and corresponded with IRB professionals to ensure current projects maintained IRB compliance
- Transcribed recordings of experimental measures for analysis using SALT Software and its transcription conventions
- Mentored and trained undergraduate students to carry out data collection and recruitment
- Created and maintained strong rapport with participant families, resulting in returning volunteers and new referrals from past participants

Guenther Speech Neuroscience Lab at Boston University

Boston, MA

Research Fellow

June 2023 - Sept 2024

- Revised and troubleshooted code created in MATLAB and Praat for data analysis and collection.
- Counseled with postdocs, PhD candidates, and the Principal Investigator about potential task design and analysis scripts for multiple projects

- Participated in pilot data collection and analysis
- Administered experimental tasks using tDCS on college-aged adults
- Revised and developed upon an auditory perception experiment independently
- Mentored and trained undergraduate students to carry out data collection and recruitment

Guenther Speech Neuroscience Lab at Boston University

Boston, MA

Undergraduate Research Assistant

Nov 2021 - May 2023

- Led data collection and recruitment for an auditory perturbation experiment on college-aged adults
- Oversaw quality control of and analyzed audio data collected from auditory perturbation experiments on college-aged adults and vulnerable populations, in this case seniors and adults with Parkinson's Disease
- Strengthened skills using the coding program MATLAB for experimental and analysis scripts

Additional Experience

African Studies Library at Boston University

Boston, MA

Undergraduate Library Assistant

Oct 2019 - May 2023

- Archived the works and materials of various African countries and prominent intellectuals in African Studies
- Designed library displays and outreach events based on various aspects of African culture and history
- Transcribed interviews from prominent figures in African studies using in-house transcription conventions
- Organized materials for events showcasing African media and movies through the library-led program called CinemAfriq

Skills

Computer Skills: MATLAB, Simulink, Mathworks, Github, Praat, Audacity, R, RStudio, E-Prime 3.0, Python, SALT

Research and Professional Skills: Microsoft Office, REDCap, Recruitment (community outreach, Facebook Ads, Craigslist), Google Workspace, Audio Engineering (Praat, Audacity, Focusrite, Behringer), Statistical Analysis (Excel, MATLAB, RStudio), Experimental task design (MATLAB, E-Prime 3.0, Praat), Transcription (SALT, Google Docs), Neuroimaging (MRI)

Language Skills: English (Native), French (Semi-conversational)