

Katherine Chia, Ph.D.

✉ chia@psy.fsu.edu 📧 katchia.com 🌐 katchia

SKILLS

- Quantitative and qualitative research methodologies; research design; technical writing; R; project management; public speaking; Microsoft Office; SPSS; EEG; Python; natural language processing; data visualization; survey research; computational modeling; eye-tracking.

WORK EXPERIENCE

Cangrade

June 2022 – Present

Research Scientist

- Builds predictive models using machine learning tools to estimate candidate success in roles.
- Refines organization-wide psychometric and analytical approaches.
- Provides data science expertise to deliver clients clear, customized, and actionable value.
- Designs and executes internal and external research projects.
- Advocates for responsible AI.

IBM

May 2021 – Aug 2021

Cognitive Scientist – Intern

Yorktown Heights, NY

- Investigated individual differences in speech production and quantified them for analysis using R and Python.
 - Wrote Python scripts to automatically tag parts of speech and to assess speech samples.
- Examined linguistic features that were relevant for predicting current and future dementia status in a cohort of multi-ethnic and bilingual adults.
 - Collaborated closely with a team of researchers across disciplines and industries.
- Analyzed journal articles to execute feature selection and to determine future directions with research.

Language, Learning, and Memory Lab

Aug 2016 – July 2022

Lead Graduate Researcher and Data Scientist

Tallahassee, FL

- Designed core strategies to investigate the dynamics of language production and conversation.
- Handled multiple experiments with varying sample sizes (n=40-40,000) and selected research methodologies.
 - Led research group through the peer-review publication process. Published four articles (3 first author papers, 1 second author paper).
- Oversaw data collection, statistical analyses (ANOVA, linear regression, multiple regression, logistic regression, cross recurrence quantification analysis), and executed using R.
- Stayed current with the research field and used these findings to inform decisions and presents conclusions.
 - Presented findings at local (4x), regional (4x), national (2x), and international (1x) conferences.

Language and Cognitive Development Lab

Dec 2015 – Aug 2016

Co-Lab Coordinator

Tallahassee, FL

- Oversaw longitudinal study about language learning in infants ranging from 18 months – to 4 years.
 - Administered developmental assessments and intake procedures on participants.
- Ran eye-tracking tasks to assess child word knowledge and used these findings to generate insights.

EDUCATION

Florida State University

2022

Ph.D. in Cognitive Science

Tallahassee, FL

Florida State University

2018

M.S. in Cognitive Science, Magna cum laude

Tallahassee, FL