Cindy Chiang

626-376-3277
cindyc@usc.edu
https://cindy-chiang.github.io/
www.linkedin.com/in/cindy-chiang1

PROFESSIONAL SUMMARY

Ph.D. candidate with 9+ years of end-to-end research experience, investigating how individuals across the lifespan communicate and interact with people and technology. Collaborator of psychologists, linguists, and computer scientists.

EDUCATION

University of Southern California   Los Angeles, California
Ph.D. in Psychology and Minor in Quantitative Methods   *August 2016-December 2022*

Smith College   Northampton, Massachusetts
B.A. in Psychology   *August 2010-May 2013*

RESEARCH EXPERIENCE

University of Southern California   Los Angeles, California
Graduate Researcher in the Department of Psychology   *August 2016-Present*

- Design, collect, and analyze data for 10 projects examining the types of language people produce, understand, and learn – resulting in 8 conference presentations, 2 research proceedings, and 4 grants
- Secure funding, $25,000+, through grants from the National Science Foundation (NSF) and USC to examine what factors can make language more memorable for adults and influence how children learn language
- Develop and iteratively improve remote mouse tracking software through user research, generating software that analyzed differences in 400+ adults' web page interactions when hearing different types of speakers
- Identify software bugs affecting 20% of user experiences on online experiment platform used by 600+ developmental psychologists by evaluating log data and recordings of 300+ remote eye-tracking study sessions
- Collaborate with psychologists and computer scientists to identify how verbal interactions with computers differ across 100+ school-aged children and teenagers by analyzing speech patterns in session recordings and text transcriptions
- Utilize in person and remote eye tracking to examine effects of attention, memory, and cognitive control on abilities to detect patterns and process speech in 350+ children
- Analyze quantitative and qualitative datasets using Bayesian, frequentist, robust, and big data techniques with R

Massachusetts General Hospital   Boston, Massachusetts
Clinical Research Coordinator I and II   *January 2015-March 2016*

- Investigated validity of screening tools by analyzing 75,000+ survey responses and electronic medical records
- Collaborated with physicians and clinical research coordinators to assess efficacy of psychiatric referral practices in an urban low-income Latinx community using interviews, psychometric tests, and longitudinal research practices
- Synthesized and communicated findings in 2 internationally attended conferences and 3 peer-reviewed publications

Smith College   Northampton, Massachusetts
Research Assistant/ Independent Researcher   *January 2011-May 2013*

- Conduct independent project examining 144 Taiwanese children's language development using A/B tests on tablets
- Facilitated research on language impairments and autism through structured literature reviews and behavioral coding

ADDITIONAL RELEVANT EXPERIENCE

University of Southern California (Psychology Department)   Los Angeles, California
Teaching Assistant   *August 2017-Present*

- Communicate and demonstrate psychology and neuroscience concepts to 50-100 students each week
- Facilitate weekly discussion of scientific literature and applications of experimental/ non-experimental research methods

SKILLS

- **Research Methods** - Eye-tracking (in person and remote), Mouse tracking, Log analysis, Reaction time measures, Surveys, Behavioral coding (observational studies), Corpus analysis, Audio analysis, Usability testing
- **Research Tools** - Tobii T120, Lookit (Remote testing with children), PyGaze, PsychoPy, Datavyu, Praat, Qualtrics (including JavaScript and HTML Integrations), Google Forms, REDCap
- **Statistical Programs and Programming Languages** - R, SPSS, Stata, JavaScript, HTML, CSS, Python
- **Languages** - English (Native); Mandarin (Native)