

# Cindy Chiang

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## 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.

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## EDUCATION

### University of Southern California

*Ph.D. in Psychology and Minor in Quantitative Methods*

Los Angeles, California  
*August 2016-December 2022*

### Smith College

*B.A. in Psychology*

Northampton, Massachusetts  
*August 2010-May 2013*

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## RESEARCH EXPERIENCE

### University of Southern California

*Graduate Researcher in the Department of Psychology*

Los Angeles, California  
*August 2016-Present*

- Design, collect, and analyze data for 10 projects examining the types of language people produce, understand, and learn
- 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
- Synthesize and present findings in 8 internationally attended conferences and 2 first author conference proceedings

### Massachusetts General Hospital

*Clinical Research Coordinator I and II*

Boston, Massachusetts  
*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
- Communicated findings in 2 internationally attended conferences and 3 peer-reviewed publications

### Smith College

*Research Assistant/ Independent Researcher*

Northampton, Massachusetts  
*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

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## ADDITIONAL RELEVANT EXPERIENCE

### University of Southern California (Psychology Department)

*Teaching Assistant*

Los Angeles, California  
*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

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## 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)