

# Cindy Chiang

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## PROFESSIONAL SUMMARY

Researcher with 9+ years of experience with end-to-end research 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-May 2022*

### Smith College

*Bachelor 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*

- Conceptualize, design, and collect data for 7 lines of primary research with infants, children, and adults and 3 lines of secondary research with recordings and annotations of conversations in natural settings
- Write and win multidisciplinary grants from the National Science Foundation (NSF) and USC totaling \$25,000+
- 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
- Adapt and improve newly developed remote mouse tracking software through usability studies to analyze 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 cross-functional team of psychologists and computer scientists to understand how verbal interactions with computers differ across 100+ school-aged children and teenagers
- 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 early screening practices and models of care in underserved communities by analyzing 75,000+ patients records and survey responses, as well as hundreds of interviews, with SPSS and STATA
- 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
- Performed behavioral coding of 20 autistic children's social interactions with their parents during a play session

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## ADDITIONAL RELEVANT EXPERIENCE

### Jowett Group

*Supply Chain Coordinator and Product Developer*

Los Angeles, California

*January 2014-December 2014*

- Streamlined manufacturing line to meet trend forecasts of Nike and Under Armour (450,000+ pieces per month)
- Refined apparel design with design teams and manufacturing floor to meet desired aesthetics, costs, and lead time

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## SKILLS

- **Research Methods** - Eye tracking (in person and remote), Mouse tracking, Log analysis, Surveys, Behavioral coding (observational studies), Corpus analysis, Audio analysis, Usability testing
- **Software** - Microsoft Excel (VBA, Macro Programming), Datavyu, Praat, PsychoPy, Adobe Photoshop
- **Survey Platforms** - Qualtrics (including JavaScript and HTML Integrations), REDCap, Google Forms
- **Statistical Programs and Programming Languages** - R, SPSS, Stata, JavaScript, HTML, LaTeX, Python
- **Languages** - English (Native); Mandarin (Native)