

# Cindy Chiang

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## PROFESSIONAL SUMMARY

I research how people think about language through behavioral experiments (A/B testing and multivariate testing) and analysis of naturalistic interactions. I collaborate with psychologists, linguists, and computer scientists to better understand how different interactions – including interactions with technology– impact the language children and adults expect and produce.

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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

*2010-2013*

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## RESEARCH EXPERIENCE

### University of Southern California

*Graduate Researcher in the Department of Psychology*

Los Angeles, California

*August 2016-Present*

- Finance and manage multi-disciplinary projects with grants from the National Science Foundation (NSF) and USC
- 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
- Utilize in lab and online eye-tracking to examine effects of attention, memory, and cognitive control on abilities to detect patterns and process speech in 350+ children
- Conduct usability test to improve mouse-tracking study (click test) used by 350+ adults, generating millions of data points
- Program unmoderated online card sort task to investigate 150+ children's growing understanding of concepts
- Evaluate telemetry data and recordings of 300+ unmoderated study sessions to detect software bug affecting 20% of users' experiences on online experiment platform used by 600+ developmental psychologists
- 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*

- Analyzed 75,000+ patients records as well as hundreds of survey and interview responses using SPSS and STATA to investigate validity of early screening practices and preventative models of care
- Communicated findings in 2 internationally attended conferences and 3 peer-reviewed publications

### Smith College

*Research Assistant/ Independent Researcher*

Northampton, Massachusetts

*January 2011-May 2013*

- Investigated 144 Taiwanese preschoolers' language development leading to 1 first author conference presentation
- Performed ethnographic coding for an observational study on autistic children's social interactions

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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 (over 450,000 pieces per month)
- Refined apparel design with design team and manufacturing floor to meet desired aesthetics and production costs

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## SKILLS

- **Statistical Programs and Programming Languages** - R, SPSS, Stata, JavaScript, HTML, Python, LaTeX
- **Software** - Adobe Photoshop, Praat, PyGaze, PsychoPy, OpenSesame, Microsoft Suite (VBA, Macro Programming)
- **Languages** - English (Native); Chinese/ Mandarin (Native)