

Cindy Chiang

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PROFESSIONAL SUMMARY

Researcher with 9+ years of experience with end-to-end research— behavioral experiments (A/B and multivariate testing) and analysis of naturalistic interactions. Collaborator of psychologists, linguists, and computer scientists investigating how different interactions, including interactions with technology, impact human behavior.

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

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 identify 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 and survey responses, as well as hundreds of interviews, using SPSS and STATA to investigate validity of early screening practices (surveys) 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

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

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)