

Holly Huey

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Education

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|---|---------------------|---|----------------------|
| PhD, Experimental Psychology University of California, San Diego | Sept 2019 — present | BA, Liberal Arts, St. John's College Dual major: History of Mathematics & Sciences, Philosophy Dual minor: Comparative Literature, Classics | Sept 2012 - May 2016 |
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|---------------|---|--|---|
| Skills | Programming HTML/CSS, Javascript, JQuery, Node.js MongoDB, GitHub, jsPsych, PsychoPy | Statistical software R, Python | Design programs Photoshop, Illustrator, Premiere Pro, AfterEffects Blender (3D modeling, animation), Unity |
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Research

UC San Diego, Cognitive Tools Lab | Early Learning & Cognition Lab

Sept 2019 — present

Graduate Researcher, advisors: Dr. Judith Fan and Dr. Caren Walker

- Investigates how humans communicate perceptual and higher-level concepts through visualizations (e.g., maps, diagrams, graphs), interpretation of visual representations, and development of symbolic reasoning in children via custom coded online experiments
- Mentors undergraduates on research projects to help increase computational literacy, research design skills, and theoretical knowledge
- Assists with teaching UCSD psychology/cognitive science courses

New York University, Lab for the Developing Mind

July 2017 - Aug 2019

Lab Manager (founding member), advisor: Dr. Moira Dillon

- Designed and conducted studies on geometric intuitions of infants (6-19-month-olds), children (2-12-year-olds) and adults in navigation, object recognition, and symbolic reasoning tasks
- Mentored 3 honors thesis and 4 grant-sponsored students, and trained and managed 8-12 research assistants per semester
- Initiated and taught biweekly workshop series to increase undergraduate students' computational literacy and research design skills by teaching Adobe suite programs or experimental programs (e.g., PsychoPy, PyHab), or inviting NYU instructors to teach R, Blender, and 3D-printing software
- Wrote manuscript (in prep), assisted with writing successful grant submissions to NSF and DARPA, and gave outreach talks to NYC science organizations and museums to increase family access to scientific resources
- Submitted 2 accepted posters to the Society of Research and Children Development conference 2019

MIT, Early Childhood Cognition Lab

Oct 2016 - June 2017

Research Assistant, advisor: Dr. Laura Schulz and Dr. Julian Jara-Ettinger

- Conducted theory of mind studies on children's (4-5-year-olds) inferences about pro-social behavior, mental states, preferences, and physical competence of other agents
- Assisted with writing manuscript that was accepted to the Child Development journal

Harvard, Lab for Developmental Studies

Oct 2016 - May 2017

Research Assistant, advisor: Dr. Susan Carey and Dr. Jonathan Kominsky

- Designed 3D animations and tested infants (3-9-month-olds) in causal reasoning studies, examining their inferences objects that violate physical laws of motion
- Assisted with adult eye-tracking studies exploring automatic perceptual categorization of causal events

Industry

Talla, AI Chatbot Startup

Oct 2016 - May 2017

Product Content Writer

- Analyzed behavioral data on user responses to chatbot question and product performance during critical machine learning periods
- Wrote articles, e-books, and workflow templates for HR/IT managers on the advantages and risks of introducing AI automation

Pillar, Venture Capital Firm (focused on machine intelligence startups)

Oct 2016 - May 2017

Platform Intern

- Researched startup companies and academics developing products in natural language processing, IoT, autonomous vehicles and drones, healthcare, and robotics hardware to present to VC partners
- Assisted in organizing Machine Intelligence Summit (Nov 2016) and Machine Learning in Healthcare Summit: Industry Applications (May 2017) to build research opportunities between academic universities in Boston, early-stage startups, and investors