

TRAN HOANG

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EDUCATION:

Learning Design and Technology, M.S.

Stanford University

September 2021 - Present

Psychology & Social Behavior, B.A.

Education Sciences, B.A.

University of California, Irvine

September 2016 - June 2019

RESEARCH EXPERIENCE:

Media and Child Development Lab, Lab Manager and Research Assistant

April 2016 – Present

Mentors: Professors Mark Warschauer and Professor Drew Bailey; Dr. Robert Kalinowski; Postdoctoral Scholar Ying Xu
University of California, Irvine

Automated Conversational Agent for Dialogic Storybook Reading

February 2021 – Present

- Collaborated with members from IBM Research to build the artificial intelligence-powered conversational agent.
- Developed framework for question-answer pairs and benchmark dataset of dialogic questioning to build children's narrative comprehension skills.
- Created over 10,000 question-answer pairs for labeled dataset used to train the conversational agent.
- Project funded by Schmidt Futures for **\$40,000**.

Young Children's Learning with Conversational Agents

September 2018 – June 2019

- Transcribed and analyzed interviews with 31 children to understand their perception of conversational agents.
- Assisted in editing a conversational storytelling script to implement in the Google Home by reviewing reading comprehension questions with the research team.
- Administered exams to preschool children for the Expressive One-Word Picture Vocabulary Test.
- Utilized in a pilot study on a PBS Kids program.

PROFESSIONAL EXPERIENCE

Boys and Girls Club of Garden Grove, Academic Imagine Learning Instructor

October 2019 - Present

Garden Grove, CA

- Engaged and supported 20 children's experience with the technological Imagine Learning curriculum.
- Implemented and provided support for an iPad-based program to help young English Language Learners.

Advanced Field Study Program, Grant Writing and Research Intern

October 2018 – June 2019

Costa Mesa, CA

- Collaborated with team of grant writers to compose a total of 13 grant proposals, resulting in \$32,300 of funding
- Interviewed students facing housing insecurity with a focus to understand the barriers in higher education.

Peer Academic Advising Program, Peer Academic Advisor

April 2018 – June 2019

University of California, Irvine

- Advised in topics such as field study, academic planning, and university policies to over 300 students.
- Presented 8 workshops about course planning, graduate school, etc.

SKILLS:

Technical: LaTeX, Technical Writing, Python (basic), Microsoft Office Suite, Photoshop

Other: Team Management, Project Management, Data Collection, Effective Children Interaction

INTERESTS AND HOBBIES: technology, artificial intelligence, conversational agents, UX design