

ABOUT ME

I am a software engineer and design thinker. My unique ability to combine cutting-edge full-stack development techniques with innovative UI/UX design has led to numerous successful partner projects with organizations around the world from non-profits to startups. In 2019, I will be joining Cisco Systems as a software engineer.

EDUCATION

Stanford University

M.S. in Computer Science, 2019
Specialization in Human-Computer Interaction
4.080 GPA, Stanford HCI Group

University of California, Irvine

B.S. in Computer Science, 2017
Specializations in Information & Algorithms
3.993 GPA, Summa Cum Laude, Honors in ICS

TECHNICAL SKILLS

Python | 5+ years, 8+ courses, 4+ projects, tutor experience

JavaScript | 2+ years, 1+ courses, work experience

C/C++/Java | 2+ years, 2+ courses, 1+ projects

HTML/CSS | 4+ years, 3+ courses, work experience

SQL/MySQL | 3+ years, 3+ courses, work experience

Others | MEAN Stack, UI/UX Design, Unity/C#, Xcode/Swift

WORK EXPERIENCE

Interaction Design Researcher | Stanford Interaction Design Lab

Jan 2018 – Present

- Designed the relational use case model for Quizbot, an educational chatbot AI, including conversation flow and gamification elements.
- Developed a web-based mobile flashcard application for use in a comparison study between Quizbot and other learning software.
- Planned and administered an IRB-approved pilot study to evaluate and analyze participant engagement and learning outcomes.
- Integrated Quizbot and others into the Smart Primer project, a tablet-based educational narrative that incorporates fun activities.

Software Engineering Intern | Visa Inc.

Jun 2018 – Sep 2018

- Participated in daily design review and development scrum meetings to help plan and execute action items on stories and defects.
- Worked with a team to resolve hundreds of service catalog items involving issues related to ambiguous titles and short descriptions.
- Created an automated attestation scheduled job with ServiceNow API that administers assessments to CI owners for CMDB certification.
- Played a key role in porting an AngularJS-based CI Viewer to the Service Portal that queries and updates application services.

Database Development Intern | UCI Office of Information Technology

Apr 2015 – Aug 2017

- Evaluated and composed reports for hundreds of database tables during the company's migration from Talend to Informatica.
- Developed dozens of Informatica ETL mappings, sessions, and workflows as part of the Legacy ODS Conversion project.
- Updated the Data Warehouse website with new content including resolving security issues caused by SQL injection and session attacks.
- Upgraded the online query-by-example ad-hoc tool in the DWH BLISS Enhancement project with various functionality additions.

FEATURED PROJECTS

QuizBot | Stanford Interaction Design Lab

Programmer/Designer

QuizBot is a dialogue-based agent that helps students learn factual knowledge in science, safety, and English vocabulary, powered by artificial intelligence and Facebook Messenger.

Awards: CHI 2019 Accepted Paper

The Smart Worker | UCI Institute for Software Research

Programmer/Designer

The Smart Worker is a head-mounted AR application that demonstrates the feasibility of just-in-time augmented learning for use in the assembly line manufacturing context.

Awards: UROP Fellowship Award

Bubble Buddy | Autism App Jam

Programmer/Designer

Bubble Buddy is a web-based virtual communication companion designed for young children with autism who struggle with communication, identifying emotions, and learning by interacting with them using typical everyday conversation.

Awards: Winner (2nd Place), Hype Award

UC Irvine Circle K Website | Circle K International

Programmer/Administrator

The UC Irvine Circle K Website utilizes key web development techniques and open-source software solutions to create a reliable and robust website as a resource hub for members and a means of organizing club secretarial information.

Awards: Outstanding Club Website (1st Place)