

## OVERVIEW

I am an M.S. student in computer science at Stanford University with a depth in human-computer interaction. Previously, I received my B.S. in computer science at UC Irvine where I graduated with honors and was awarded the Chancellor's Award of Distinction in 2017. With 3+ years of work experience and 2+ years of research assistantship, my unique background combines cutting-edge full-stack development techniques with innovative UI/UX design.

## EDUCATION

### M.S. in Computer Science, Class of 2019

Stanford University  
Depth in Human-Computer Interaction  
4.104 GPA, Stanford HCI Group

### B.S. in Computer Science, Class of 2017

University of California, Irvine  
Dual Specialization in Information & Algorithms  
3.993 GPA, Summa Cum Laude, Honors in ICS

## SKILLS

Python | 5+ years, 8+ courses, 4+ projects, tutor experience  
Java | 3+ years, 2+ courses, 1+ projects, work experience  
C/C++ | 1+ years, 2+ courses

HTML/CSS/JS | 4+ years, 3+ courses, work experience  
SQL/MySQL | 3+ years, 3+ courses, work experience  
Others | MEAN Stack, UI/UX Design, Unity/C#, Xcode/Swift

## EXPERIENCE

### Interaction Design Researcher | Stanford HCI Group

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.

MORE (see website): Technology Chair at Circle K International, Python Lab Tutor at Donald Bren School of ICS

## PROJECTS

### goFIT | Design Thinking for User Experience

Programmer/Designer

goFIT is a mobile application to help you stay healthy, be social, and accomplish goals. Set personal health and fitness goals, log your progress, and challenge your friends to get in on the action.

### AR Manufacturing Demo | UCI Institute for Software Research

Programmer/Designer

The AR Manufacturing Demo 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)

MORE (see website): The VIP, IssueVoter Widget, PhotoApp, UnproductiveTab + Reclogery, Ocean Waves, Fabflix, MedLight, Othello