

SUMMARY

I am a fourth-year Computer Science major specializing in information and algorithms. I have worked primarily in Python and Java, but also some C/C++. I also have experience in database design and web development. I am interested in software engineering, human-computer interaction, and data informatics.

EDUCATION

- **B.S. in Computer Science, Class of 2017**
Donald Bren School of ICS, UC Irvine
Specialization (Double): Information & Algorithms
ICS Honors Program Student, UROP Fellow, 3.992 GPA

SKILLS (by order of strength)

- *Programming:* Python, Java, C/C++
- *Database Design:* SQL/MySQL, Informatica
- *Web Development:* HTML, CSS, PHP, JavaScript

EXPERIENCE

- **AR Applications Research Assistant | UCI Institute for Software Research** April 2016 – Present
 - Work with Dr. Walt Scacchi on an IoT-based augmented reality project for smart workers in advanced manufacturing.
 - Research training techniques and interactive game-based systems to illustrate conceptual augmented learning.
 - Write design documents, attributed directed graph models, and problem specifications for the manufacturing simulation.
 - Create a prototype illustrating the conceptual implications of augmented reality in the context of real manufacturing settings.
- **Data Warehouse Developer Intern | UCI Office of Information Technology** April 2015 – Present
 - Compare and write reports for hundreds of tables during the company's database migration away from Talend.
 - Develop dozens of Informatica ETL mappings and sessions as part of the legacy ODS conversion.
 - Update the Data Warehouse website with new content, including resolving security issues caused by SQL injection.
- **Technology Chair | Circle K International** April 2015 – March 2016
 - Managed content and resources for members including general information, weekly updates, calendar events, and media.
 - Developed new features and tools for the website such as a personal events portal and a smart announcements system.
 - Managed a group of 4 students in organizing the club's first Technology Internship Program.
 - Received the Distinguished Appointed Board Officer award for demonstrating excellent achievement in service.
- **Lab Tutor | Donald Bren School of ICS** September 2014 – March 2015
 - Tutored over 50 students in various ICS courses including Programming With Software Libraries and Intermediate Programming.
 - Wrote pedagogical materials as resources for future students and proctored/facilitated in-lab examinations.

PROJECTS

- **Bubble Buddy (Lead Designer, Programmer)** April 2016
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.
Completed for: Autism App Jam 2016; **Programmed in:** HTML, CSS, JavaScript, jQuery, MEAN stack; **Awards/Honors:** Winner (2nd Place), Hype Award
- **Fabflix (Programmer)** January 2016 – March 2016
Fabflix is a web-based interface that allows customers to browse/search for movie information, add interesting movies to their shopping cart, and check out.
Completed for: Project In Databases And Web Applications; **Programmed in:** Java, HTML, CSS, MySQL, JavaScript, jQuery, Bootstrap
- **UC Irvine Circle K Website (Technology Chair, Content Manager, Programmer)** April 2015 – March 2016
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.
Completed for: Circle K International; **Programmed in:** HTML, CSS, MySQL, JavaScript, jQuery, PHP, Bootstrap; **Awards/Honors:** Outstanding Club Website (1st Place)
- **MedLight (Programmer, UI Designer)** November 2014
MedLight is a mobile application that uses a newsfeed-style of updating system in order to streamline information and communication between healthcare providers and their patients to keep all relevant personnel updated on the patient's health.
Completed for: Med AppJam 2014; **Programmed in:** Swift, Xcode