

Richard Chen | Software Developer

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Website: richardchen.me

— EDUCATION

University of California, Irvine | B.S. Computer Science | Major GPA – 3.68/4.0 June 2020

Relevant Coursework: Data Structure Implementation/Analysis (C++) • Introduction to Data Management (SQL) • Information Retrieval • Programming in C/C++ as a Second Language • Programming in Java as a Second Language • Programming with Software Libraries (Python) • Introduction to Software Engineering

— EXPERIENCE

Webmaster | *Alpha Phi Omega* | Irvine, CA September 2018 - Present

- Debugged PHP code for club website, identified and eliminated security vulnerabilities prone to SQL injection and cross-site scripting by sanitizing data insertion and retrieval
- Worked extensively with MySQL database using PHP's PDO extension
- Updating website periodically by writing SQL queries and using SFTP protocol to transfer and upload files

AppJam+ Mentor | *Dreams for Schools* | Tustin, CA September 2018 - December 2018

- Worked with team of mentors in 10-week program to teach middle school students mobile application development
- Assisted team of mentees in building a game application on the Android Thinkable platform
- Exposed students to various programming concepts and STEM fields
- Prepared weekly itinerary for classroom lessons to ensure completion of the app before app showcase

ICS Lab Tutor | *UCI Donald Bren School of ICS* | Irvine, CA March 2018 - June 2018

- Hosted lab sessions to debug students' code for course projects and teach programming concepts
 - Logged weekly records summarizing interactions with lab students
 - Attended weekly meetings with lab directors and tutors to discuss better tutoring practices
 - Tutor for the following courses: Programming with Software Libraries (Python)
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— PROJECTS

Abridge June 2018 - August 2018

- Web application that finds quickest route to destination given start location and search query
- Developed backend server on Flask, extracted route details from JSON schema using Google APIs
- Languages and Frameworks: Python, Flask, Google Maps Embed API, Google Directions API, Google Places API, HTML, CSS, Bootstrap, Javascript, jQuery

Price Match July 2018 - Present

- Web application that helps manually price match products by recording the price and location of every purchase
- Stored user registration and product information using MySQL database, gave personalized inventory for each user
- Languages and Frameworks: Python, Flask, MySQL, HTML, CSS, Bootstrap, Javascript

Personal Website June 2018 - July 2018

- Created personal website from scratch using HTML, CSS, Javascript, and jQuery to display both personal and professional life
 - Website: richardchen.me
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— TECHNICAL SKILLS

Languages: Python, C++, Java (Familiar), HTML, CSS

Frameworks: Flask, SQL, jQuery, Bootstrap

Others: Linux (Command Line)