

RYAN ROYAL TONG

(510) 292-6298 | rrtong@ucdavis.edu | rrtong.info | linkedin.com/in/rrtong | github.com/rrtong

EDUCATION

University of California, Davis
B.S., Computer Science
Graduated June 2018

SKILLS

Front End:
HTML • CSS • JavaScript
React • JSX
Angular • TypeScript
Sass • jQuery
Carbon

Back End:
Node.js • npm • Gulp
MySQL
Docker
Kubernetes • OpenShift
Redis
Elasticsearch

Unit Testing:
Mocha • Chai • Sinon
Jasmine • Karma • Phantom

Programming Languages:
Python
JavaScript
C++
C
Java

HACKATHON PROJECTS

HackDavis January 2018
Medminder
• Programmed and designed a user-friendly interface to assist medicine management.
Used: Xcode, Firebase

AT&T VR/AR May 2017
ChemQuest
• Designed a virtual-reality chemistry lab to introduce education in a unique manner.
Used: Unity, Google Cardboard

EXPERIENCE

IBM
Back-End Developer January 2021 – Present
• Writing automation scripts in Python to improve the organization and maintenance of IBM Cloud services.

IBM December 2019 – January 2021
Cloud Software Developer
• Developed a web application to display and provision AWS, Azure, and IBM Cloud clusters based on user-inputted fields.
• Created a Carbon Chart utility that filters and displays all skills within IBM Garage.
• Built an internal web application to track whereabouts of IBM Garage team members using React, Node and Java.
• Used RedHat OpenShift and IBM Cloud Pak technology to establish a Cloud Native environment for clients.

PowerSchool October 2018 – November 2019
Associate Software Engineer
• Implemented product features and repairing bugs to improve the user experience for students, teachers, parents and district admins.
• Leveraged REST API calls to optimally manage client-server data transfer.
• Utilized local Docker and environmental Kubernetes pods to run microservices.
• Used Ping Identity to configure account credentials through a secure login system.

PowerSchool June 2018 – October 2018
Software Engineering Intern
• Devised effective solutions for various front-end bugs in an Angular environment.
• Created unit tests for TypeScript implementations to ensure proper functionality.
• Engaged in daily stand-ups and Agile sprint plannings to actively communicate and collaborate with the development team.

UC Davis Student Startup Center September 2017 – December 2017
System Administrator
• Deployed and maintained a NodeBB forum under an AWS EC2 instance.
• Conducted design elements and implemented JavaScript plugins to enhance UX.
• Supervised web development seminars to direct students how to create and host personal websites.

UC Davis October 2017 – December 2017
Computer Science Tutor
• Helped students through the difficulties of data structures, computational theory and C-family programming.
• Coordinated with the CS department to organize teaching material for students.

PROJECTS

IBM DTE CCP May 2020 – December 2020
• Designing and developing a single-page form to deploy cloud server clusters from multiple cloud service providers.
• Displaying a dashboard of user clusters with tabled data, cluster actions and access information.
• Adjusting user interface based on multiple user roles and user privileges.