

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
Istio
AWS

Unit Testing:

Mocha • Chai • Sinon
Jasmine • Karma • Phantom

Programming Languages:

Python
JavaScript
C++
C
Java

HACKATHON PROJECTS

HackDavis Medminder January 2018

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

AT&T VR/AR ChemQuest May 2017

• Designed a virtual-reality chemistry lab to introduce education in a unique manner.
Used: Unity, Google Cardboard

EXPERIENCE

IBM

December 2019 – Present

Cloud Software Developer

- Developing a web application to display and provision AWS, Azure, and IBM Cloud clusters based on user-inputted fields.
- Creating a Carbon Chart utility that filters and displays all skills within IBM Garage.
- Building an internal web application to track whereabouts of IBM Garage team members using React, Node and Java.
- Using 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
System Administrator**

September 2017 – December 2017

- 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 – Present

- 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.

rrtong.info

February 2019 – December 2019

- Designed an interface to value both user interactivity and aesthetic web design.
- Constructed an in-browser command line to execute custom commands and apps.
- Used React to showcase personal projects within a contemporary one-page website.