

RYAN ROYAL TONG

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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

WORK PROJECTS

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

EXPERIENCE

IBM Software Developer January 2021 – Present
• Creating internal, full-stack application for team-wide compliance automation.
• Writing automation scripts in Python to improve the organization and maintenance of IBM Cloud services.

IBM Cloud Software Developer December 2019 – January 2021
• 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.

PowerSchool Associate Software Engineer October 2018 – November 2019
• 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 Software Engineering Intern June 2018 – October 2018
• 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.

SIDE PROJECTS

Micoquiz Jan 2022 – Present
• Developing innovative web app to study generalized concepts using React.

Montou Timer <https://montou-timer.herokuapp.com> Oct 2021 – Dec 2021
• Constructed a timer web application to enhance giveaways for a Twitch livestream.
• Incorporated variable decrements to subtract from the time based on channel events.
• Integrated Twitch API to allow for automatic updates upon stream actions.

Discord Bots <https://github.com/rrtong/discord-bots> Mar 2020 – Dec 2021
• Built and maintaining chat bots on Discord to interact with numerous users.
• Utilized ML/AI to generate human-like interaction based on movie scripts.