

# RISHI SOMANCHI

B.S. Computer Science candidate at the University of Washington and Actualize bootcamp graduate seeking full-time opportunity with focuses in full-stack software development.

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## PROJECTS

### **Rishi's Routes | Frontend/Backend Developer (2019)**

- Utilized **Ruby on Rail's** MVC framework to develop a single-page mapping platform
- Developed controllers that parse real time direction data from Google Maps API, local business offerings via Yelp API, and forecasting via Weather API
- Enhanced user experience through an internal **RESTful API** and a **Vue.js** frontend styled with **CSS3**
- Managed version control using **Git**, debugged using Google's **Chrome DevTools**, and hosted on **Heroku**

### **FIRST Robotics (FRC/FLL) | Programming Lead (2012 - 2017)**

- Led programming team focused on designing robotic systems, simulation runs, commissioning and programming
- Developed automated Java scripts to check robotic motor functions thus reducing our team's test-driven-development (**TDD**) workflow by 20%
- Integrated with mechanical team to refactor product features, thus improving robot agility
- 2x qualification to the FRC World Championship – ranked 14<sup>th</sup> in 2016 World Championship

## EXPERIENCE

### **Construction Scheduling Experts | Web Development Intern (2018)**

- Constructed personal website for firm focused on civil engineering and claims
- Structured backend using Python's **Django** framework and **PostgreSQL**
- Dynamically manipulates DOM using JavaScript asynchronous event management

### **Granite Bay High School | High School Tutor (Sept 2014 – May 2017)**

- Taught math and science concepts to 3 students on biweekly basis

## LEADERSHIP EXPERIENCE

### **Speech and Debate | Team Captain (2012 - 2018)**

- Systemized team syllabus/grading, classroom instruction, and tournament participation for a team of 40+ of students
- 2x qualification to National Tournament, 3x qualification to State Tournament, 13x winner for Regional Tournament

### **Boy Scouts of America | Eagle Scout (2012 - 2017)**

- Served in multiple leadership positions including Senior Patrol Leader, Troop Guide, Quartermaster
- Eagle Scout Project – created and sent 100 care packages to US soldiers stationed in Afghanistan and Syria

## SKILLS

**Languages:** JavaScript (ES6), Ruby, Java, HTML5, CSS3, C++, SQL, Mindstorms

**Frameworks:** Rails, Vue.js, Bootstrap, Materialize

**Tools:** Bash, Git, RSpec, Database Management, API's, Solid Works, Arduino, Chrome DevTools, Pair-Programming

## EDUCATION

### **University of Washington**

- B.S. Computer Science (*Expected 2022*)
- 3.86/4.0 GPA

### **Actualize Coding Bootcamp (September 2019)**

- 1000+ hours of full stack development
- Certificate in Web Development