

SOFTWARE ENGINEER – FULL STACK WEB DEVELOPMENT

I am Computer Science student graduating in December 2018. I am passionate about creating polished web applications with beautiful, well-designed UIs. I enjoy full stack development because it allows me to bridge the gap between visual elements and server-side infrastructure.

EDUCATION

Colorado State University: Fort Collins, CO

August 2014-Present

- Bachelor of Science, Computer Science Minor: Mathematics
- Major GPA: 3.57

Graduation: December 2018

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C#, C++, C, Scala

Libraries/Frameworks: ReactJS, ASP.NET MVC 2, jQuery, Redux, Bootstrap, Bulma, , etc.

Testing: Jest, JUnit, Load/Stress/Endurance Performance Testing (VSTS), Mocha

Databases: MongoDB, Firebase Realtime Database, SQL Server, MariaDB (MySQL)

WORK EXPERIENCE

MiTek USA (Berkshire Hathaway Company): Greenwood Village, CO

May 2018-August 2018

Intern Software Engineer - Web Development

Responsible for two web projects, including three interim project presentations to Enterprise Software Team (100-300 people)

- Code, test, document, configure, and debug responsive web and back end solutions using **C#, JavaScript, ReactJS, ASP.NET MVC 2, jQuery**, and **SQL Server**
- Project 1: Evaluated a new web application project, identified that it was not feasible, which saved company time and money. Gave a presentation on the various reasons why the engine would not work as a web service given the current software infrastructure and introduced two solutions to the problem
- Project 2: Accomplished designing and deploying a full-stack web application prototype, as measured by production standard performance benchmarks, by evaluating the code paths and DLL loading behavior
- Collaborated with Requirements, SQA and other development teams to ensure solutions are efficient, consistent and fulfill business needs
- Worked in Agile software development environment (**Scrum**) and participated in design & code reviews
- Deployed and tested REST API back end solution on **Azure** (PaaS)

Undergraduate Research Assistant: Fort Collins, CO

January 2018-May 2018

Professor Lorenzo De Carli – Network Security – Colorado State University

- Investigated web page interception techniques that can extract JavaScript code from a web page, vet it, and remove JavaScript code classified as malicious
- Implemented a web scraper in **Python**, based on publicly available code, to collect and store samples of benign JavaScript code from popular websites

PERSONAL PROJECTS

Tourney Time (Startup): Greenwood Village, CO

July 2018-Present

Web & Mobile Development

- Building an end-to end web and mobile tournament management software for players and tournament managers
- Developing and designing full-stack web application
- Front End: **HTML5, CSS3, JavaScript ES6, ReactJS, Redux**, Webpack
- Back End: **Node (Express)** on Firebase Hosting, **Firebase** Realtime Database, RESTful API, MVC architecture

CLASS PROJECTS

Software Engineering: Fort Collins, CO

Spring 2018

Professor Dave Matthews – Colorado State University

- Worked on **Scrum**-based team project that created a mobile, single page web, trip planning application interacting through REST APIs with a **SQL** database and optimization tools
- **Scrum, Test Driven Development**, Configuration Management, Continuous Integration, Unit and Coverage Testing, Clean Code, Inspections
- **Maven**, GitHub, TravisCI, ZenHub, **JUnit**, Code Climate
- **Java, JavaScript**, Babel, **Bootstrap 4, ReactJS**, Java Spark, **MariaDB**, **SQL**, **JSON**, **SVG**, **KML**