

EDUCATION

Bachelors in **Computer Science**, University of Florida GPA: 3.03 Minor in Business Management || Grad. May 2019

WORK EXPERIENCE

IBM

Full Stack Software Engineer - Full time (Summer 2019-Current)

- Worked on a custom CMS based on a Github Readme content backend
- Worked on unifying the sites style to match the internal standard using **JQuery** and **Javascript**
- Wrote custom **Jenkins** jobs to auto deploy features of the site

Extreme Blue Intern on Spot (Summer 2018)

- Built a full scale error detection suite to enhance an existing IBM Watson financial service.
- Deployed to the cloud using a **Dockerized** microservice architecture through **Kubernetes**
- Wrote a live updated front end with **ReactJS**, **Redux**, **Nodejs** and **SocketIO**
- Configured a database wrapper with a Restful API in **Python**
- Worked on a team of 4 in an Agile workspace that had weekly pitches to executives

Sandia National Laboratories

Lead Developer on Unbounded Map Server (Summer 2017)

- Wrote an easily deployable Map Server from open source data using **Docker**, **Bash** and **Python**
- Wrote parallelized scripts for automated pulling, image processing, and reprojection of landsat imagery
- Sole developer responsible for beginning to end product. **Agile** practices were used.

Web developer intern (Summer 2016 - Spring 2017)

- Wrote a modular geographical data web framework using Spring MVC, **Requirejs**, **JQuery** and Bootstrap
- Developed an algorithm based on graphs for automatically adjusting components to fit on different screen sizes using **JQuery** and **Javascript**
- Developed a UI for adding, deleting, moving and resizing components using JQuery and JQuery-ui
- Worked on an agile team of four, and pitched our project to executives at Sandia.

PROJECTS

Alacarte

Full Stack Developer / Project Lead (Fall 2018-Spring 2019)

- Founded and lead a team of 3 to build a data marketplace **Startup**
- Built out a front end using **ReactJS**, **Redux**, **Webpack**, **Material-UI**; implemented a backend using **NodeJS**, **Express**, **Redis**; deployed to Google cloud using a microservice architecture with **Kubernetes**, and **Docker**
- Implemented a connection protocol API using hashing and **GraphQL**
- Defined product positioning. Analyzed and organized data to clearly define business case, including problem statements, value proposition, target market, business model, and go-to-market strategy.
- Uncovered customer need through **Design Thinking** approaches. Conducted qualitative and quantitative research to understand what buyers and sellers really wanted.

Registr-UF

Full Stack Web developer // registr-uf.com (Fall 2017-Current)

- Built an open source web app that allows a UF student view all possible permutations of their desired courses
- Used an unofficial UF API, **Material UI**, **Redux**, **React**, **NodeJS**
- Performed user testing to analyze user needs
- Analytics ran to track progress, with over 10,000 page views total.
- Pinned to the top of the Universities Reddit page since Spring of 2019