

Xavier Ruiz

☎ 602-399-1916 ✉ xruiz@bu.edu 🏠 xav.ie 🌐 github.com/xav-ie 🔗 linkedin.com/in/xav-ie

Education

Boston University

Bachelor of Arts in Computer Science

May 2022

Experience

Full Stack Developer, Liberty Mutual Insurance

June 2020 - August 2021

- Linked BitBucket pull request event webhooks with Slack notifications for all DevOps teams
- Automated monitoring of over 20 servers through a React web app dashboard with Express backend
- Created Angular information portal used daily by customers

Software Developer, Boston University

August 2018 - May 2021

- Migrated entire site from PHP backend to modern, scalable, easier-to-maintain Node.js backend
- Implemented service workers and CloudFlare caching to speed up site load time to be less than one second
- Researched and applied several phenomena of optics to create interactive simulations

Backend Developer, BeagleNet

May 2020 - September 2020

- Competed in local competitions to be awarded over \$20,000 in seed money
- Connected IOT devices to DynamoDB by leveraging Lambda functions and MQTT messaging events
- Devised GraphQL API and configured DynamoDB database to save money by compacting requests

Projects

“Doge Traders”, DEBS 2022 Challenge application

January 2022 - May 2022

- Engineered dashboard providing real-time analysis of 5000 stock symbols

“Tabby”, Emacs tab customization package

February 2022 - March 2022

- Published open-source package to customize tab bars with animated, virtual pets

“Dichopter”, Light perception simulation website

August 2018 - May 2021

- Programmed accessible virtual reality viewer utilizing p5.js and Materialize CSS libraries

“TravelAnywhere”, Round trip optimization app

May 2020 - January 2021

- Applied several algorithms such as brute force, genetic, and combinatorial optimization

Activities

Boston University Information Lab & Design Space, President

August 2018 - May 2022

- Hosted bi-weekly workshops to teach undergraduates about topics such as Vim, React, and hacking

BostonHacks, Design Team Lead

August 2019 - May 2022

- Designed website for Boston’s largest hackathon of 500+ hackers with over \$50,000 sponsored annually
- Built landing page components, made site 98% faster by optimizing resources, and animated SVGs

Boston University Cybersecurity Association, Director

May 2020 - May 2021

- Coordinated a team of officers to organize a university-wide hacking competition

Skills

Languages: JavaScript, C, Python, C++, Java, Processing, SVG, SQL, OCaml, Bash, GraphQL

Frameworks & Libraries: React, Vue, p5.js, Flink, Kafka, Next.js, Expo, Jest, Angular, JQuery, Bootstrap

Technologies: Emacs, Git, Linux, Docker, Illustrator, Photoshop, Agile, WebSockets, AWS