Xavier Ruiz

602-399-1916 ● xruiz@bu.edu ● https://xav.ie

EDUCATION

Boston University *Fall 2018 - Spring 2022*
Bachelor of Arts, Master of Science in Computer Science GPA: 3.61

Skills and Technologies: JavaScript, React, Vue, Java, SVG, SQL, Python, C, OCaml, Bash, Git, Linux, Docker, Adobe Illustrator, Adobe Photoshop, Atlassian Suite, Agile Methodologies, WebSockets, p5.js

EXPERIENCE

TechStart Intern - DevOps, Liberty Mutual Insurance *Summer 2020*
- Worked directly with Scrum Masters to develop and extend internal website in React Dover, NH
- Improved company productivity by creating a Service Desk using Atlassian Suite
- Led team of interns in Liberty Hackathon

Software Developer, BeagleNet *May 2020 - Present*
- Connected AWS MQTT devices to DynamoDB database Boston, MA
- Designed GraphQL API and DynamoDB databases to load data in efficient, cost-saving manner

Software Developer, Boston University *August 2018 - Present*
- Created front-end website to inform students about physical phenomena Boston, MA
- Implemented service workers to cache pages and transformed site into a Progressive Web App (PWA)

PROJECTS

"TravelAnywhere", Developer *Summer 2020*
- Users input POI and receive an optimized itinerary for next trip
- Experimented with multiple algorithms including brute force, genetic, and combinatorial optimization

"Dichopter Project", Developer *August 2018 - Current*
- Illusions and simulations that seek to teach and inform the public how light and perception works
- Used p5.js library for animations optimized site load time to be <1s as well as accessible

Boston Hacks Website, Developer *Summer 2019, Summer 2020*
- Landing page for BostonHacks, Boston's largest hackathon of 500+ hackers
- Transformed heavy resources into SVG, made site 98% faster, and animated SVGs

ACTIVITIES

BUILDS, Vice President *August 2018 - Present*
- Leading bi-weekly workshops such as: Learn Vim, Digital Art in p5.js, and Make a Hologram

0XBU (Capture the Flag), Officer *August 2019 - Present*
- Hosting weekly workshops on topics such as Ghidra, buffer overflow attacks, and CTF competitions

BostonHacks, Officer on Tech Team *August 2019 - Present*
- Contributing to backend using Firebase and Vue for front-end, responsible for landing page and SVGs

HackBeanpot, Officer on Tech Team *May 2020 - Present*
- Meeting weekly and developing under Scrum sprints to develop back-end for hackathon