

## EXPERIENCE

### Vortex Games & Combat Lab, Inc.

Web Developer / Contractor

Boston, MA (Remote)  
February 2022 - October 2022

- Developed and launched a consumer facing store web application using TypeScript, React, Redux Toolkit, Material-UI, and Next.js for online game Rushdown Revolt.
- Performed with a small team to implement essential features enabling hundreds of players to browse, sign in, and purchase in-game items.
- Created and reviewed page components and designs on Figma to ensure consistent and uniform styling.
- Built user interfaces consisting of reusable components incorporating responsive web design.
- Integrated frontend UI with AccelByte backend services platform to support player authentication, inventory, and purchase flows.

### Verizon Software Engineer

San Jose, CA  
August 2017 - January 2020

- Built and launched a video service single page web application using JavaScript ES6, React, Redux, and Node.js enhancing the Verizon Fios TV platform and saving costs of an estimated \$1.5 million per year.
- Developed key features and components to deliver linear and video on demand content to tens of thousands of customers.
- Created a functional and interactive Guide TV Listings interface and implemented lazy loading mechanics to reduce load times by ~66%.
- Delivered an upgraded Search feature by determining design changes and delegating the tasks of implementing new APIs, updating state management, and modernizing older components among the team.
- Integrated Movies Anywhere features and flows for the Fios TV Web app in collaboration with team members and Disney engineers.
- Led team efforts to incorporate responsive and accessible web design to support and improve usability for users on multiple devices and platforms.
- Collaborated on the feasibility and development of product team's designs and requirements for an updated UX/UI to align the Fios TV Web app with the latest look and feel across all Fios TV products.
- Resolved high-priority issues and tickets to improve the web application utilizing customer-driven feedback and product managed trials.

### Software Engineering Intern

San Jose, CA  
June 2016 - August 2016

- Aided the account services team in building the next generation of television and video services on an Internet Protocol television (IPTV) platform.
- Integrated and deployed Swagger framework on web microservices for automated REST API documentation and interactive API testing.
- Presented the project and its impact to technical and non-technical audiences.

### UMass Amherst Information Technology Computer Classrooms Assistant / Staffroom Consultant / Technical Consultant / Tech Crew

Amherst, MA  
January 2014 - May 2017

- Provided technical assistance to students and faculty in computer classrooms on campus.
- Maintained and ran the staffroom as the center of operations for IT Computer Classrooms.
- Troubleshooted computers, projectors, and scanners with outstanding issues.
- Assisted with a team that imaged and installed new computers in computer classrooms.

## EDUCATION

### University of Massachusetts Amherst - Manning College of Information & Computer Sciences

B.S. Computer Science 2017

GPA: 3.59 - Dean's List 5 semesters

Graduated Commonwealth Honors College Scholar with Distinction - Multidisciplinary Honors

Honors Thesis - Atrocities in the Pacific: A Closer Look at Japan's Biological Weapons Program

Relevant Courses - Web Programming, Software Engineering, Algorithms, Operating Systems, Computer Graphics, Data Management, Artificial Intelligence, Security, Networking, Data Visualization

## SKILLS

**Programming Languages:** JavaScript, HTML5, CSS, TypeScript, SQL, Scala

**Databases:** MySQL, PostgreSQL

**Frameworks, Platforms, Tools:** React, Redux, Git, Next.js, Node.js, Play, Swagger, D3.js, Postman

## PROJECTS

### IMDb Interactive Data Visualization

Exploring Popularity, Gross, Score, and Ratings in Movies: An IMDb Interactive Data Visualization

- Developed using D3.js, Dc.js, and Crossfilter for a combined graduate and undergraduate data visualization course.
- Created and analyzed user interactive charts from a massaged dataset of ~3600 movies.

## AWARDS

Verizon - Certificate of Excellence

February 2019

Recognized by management for my extraordinary effort and contributions to the design, development, and launch of Fios TV Web application.

Boy Scouts of America - Eagle Scout

July 2013