

Haverhill, MA
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SKILLS

Programming Languages & Frameworks

Proficient in: JavaScript, OCaml, C++, Node.js, React/Redux, React Native
Experienced with: Racket, C, PHP, Java, Shell Script, Python

EXPERIENCE

Robin

May 2016 – August 2016

Software Engineer Intern

Tech Stack: JavaScript, React Native, Redux, Git

- Helped build, maintain, and design mobile applications for Android and iOS platforms for thousands of users
- Utilized knowledge of Levenshtein string distance algorithm to build custom approximate string matching module derived with memory efficient alterations, to enhance user experience with search fields
- Carefully applied functional paradigms to take advantage of Redux and to produce testable, deterministic code

Veranda Outdoors

May 2015 – August 2015

Lead Software Developer

Tech Stack: PHP, MySQL, JavaScript, HTML, CSS3, Magento, Apache4

- Led a small team of developers to coordinate projects and work flows to increase productivity
- Adapted to the legacy software and seamlessly introduced modern software into the ecommerce platform
- Created practical and user friendly wholesale ordering platform for hundreds of important customers

University of Massachusetts Lowell

February 2015 – June 2015

Web Designer/Software Developer

Tech Stack: JavaScript, HTML5, CSS3, jQuery

- Combined knowledge of data structures and divide and conquer algorithmic techniques to create an optimized class scheduling application that is aimed to be used by hundreds of staff members
- Designed a modern and clean user interface for an easy-to-use and powerful experience
- Communicated with staff to build and design the ideal web application to fit their needs and help automate the class scheduling process

OPEN SOURCE PROJECTS

Needle (Library)

September 2015 – Present

Tech Stack: JavaScript, NodeJS

- Worked intimately with a wide variety of both commonly used data structures (linked lists, hash maps, k-ary trees, etc.) and more esoteric, but useful, data structures (rolling hash, bit array, etc.)
- Produced benchmarks to analyze the performance of individual components throughout the library and various types of unit testing for quality assurance
- Optimized software performance to produce a flexible, lightweight product

MarkUp (WebApp)

August 2016 – Present

Tech Stack: JavaScript, React, Redux, NodeJS

- Developed and designed an online markdown platform that supports Kramdown and MathJax, allowing for easy text editing for rich markdown applications
- Implemented a deterministic and stateful application that adheres to the functional paradigm using Redux

EDUCATION

University of Massachusetts Lowell

Spring 2018

Bachelor of Science in Computer Science, Minor in Mathematics

Major GPA: 3.56

Relevant Courses: Data Structures, Algorithms Analysis, Object Oriented Design, Functional Programming, Discrete Mathematics, Operating Systems, Probability and Statistics

Honors: Dean's List, UMass Amherst Book Award for Computer Science

Activities: Member of Modern JavaScript Society, Captain of Intramural Soccer Team

Hackathons: HackHarvard, CODEX MIT Media Lab, Hackbeanpot, Hawkathon