

# Jarrood Boone

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## EDUCATION

### B.ENG Computer Engineering

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Coursework: Data Structures and Algorithms 85%+

St John's, NL | Apr 2023

## SKILLS

Languages: JavaScript, C++, Rust, Python, C#

Web Development: React, React Native, TypeScript, HTML/CSS, Node, Express, Gatsby, Electron

Other Technologies: Git, VIM, Linux, Unity, LaTeX, CI/CD, Jira, Docker, MongoDB, AWS

## WORK EXPERIENCE

### MYSA THERMOSTATS | FULL-STACK DEVELOPER

St John's, NL | May 2021 – Present

- Worked closely with senior engineers to develop the back-end infrastructure for a new manufacturing line in the Philippines.
- Reduced the amount of bugs within the the React Native app used by all products.
- Used CI/CD technologies in order to improve developer experience.

### PROSPRE NUTRITION | FRONT-END DEVELOPER

St John's, NL | Sept 2020 – Dec 2020

- Created front-end components using React to enhance both desktop and mobile user experience.
- Troubleshoot interface software and debugged application code to improve functionality and performance.
- Built reusable code in order to optimize web page development.

### NOKIA | ENGINEERING INTERN

Ottawa, ON | Jan 2019 – Apr 2019

- Automated the workflow for setting up virtual machines using Python, decreasing setup time by 10%.
- Completed the majority of Jira tickets within the SAM team for the quarter of that year.
- Performed troubleshooting tasks for various networking software.

### MEMORIAL UNIVERSITY IT SERVICES | IT INTERN

St John's, NL | May 2018 – Aug 2018

- Worked on migrating the OS of every computer in the university to Windows 10.
- Helped various faculty members in computer hardware installations.

## PROJECTS

### CHIP8 EMULATOR

RUST, WEBASSEMBLY, REACT

Emulator for the Chip8 interpreted programming language. The application is compiled to WebAssembly which allows the user to play video games from the 1970s in the browser. Hosted at [jarroodboone.info/Projects/Chip8](http://jarroodboone.info/Projects/Chip8).

### CALENDAR SCHEDULER

REACT, ELECTRON, EXPRESS, MONGODB

Desktop application to help students keep track of their day to day tasks. Uses Twilio and NodeMailer for mobile and email notifications. Back-end created using Express to handle multiple users.

### MY WEBSITE

REACT, GATSBY

A portfolio website created using the Gatsby framework. Built with SEO techniques in mind to increase traffic. Uses Github Actions for automatic deployment. Hosted using Github Pages.