

# JARROD RUMSEY

jarrodrumsey.ca | (709) 728-9145 | St. John's, NL, Canada | in/jarrodrumsey | github.com/jarrodrumsey

Software developer, proven leader, and hobbyist graphic designer. I love leveraging my passion and interests in project management and technical design to build efficient and robust software solutions.

## Work History

### Junior Software Engineer Co-op · ICI Innovations Inc. Sept 2022 – Dec 2022

- Engineered a full stack presentation-building feature for the company's Angular B2B SaaS product with export capabilities to the PowerPoint format. Letting users design presentations within the app and export them to PowerPoint for business use.
- Refactored key areas of the front end and back end which **improved respective stability and functionality by 30-75%**.
- Provided input to code review processes that increased execution speed by 10-30%.
- Refactored key areas of the user interface (UI) to have proper documentation, optimized HTML layouts, improved accessibility, more robust functionality, and clearer class names, as well as an improved user experience (UX).

### Change Management Co-op · Seaspan ULC Jan 2022 – May 2022

- Assisted in drafting multi-million-dollar contract change proposals for two major shipbuilding projects that summarized engineering change requests (ECRs) into contractual amendments for client and stakeholder approval.
- Created a detailed change proposal workflow utilizing Adobe Acrobat shortcuts and Office 365 functionality to **reduce processing time by 50%**.
- Recognized and resolved inefficiencies in the proposal processing system to fully clear the backlog of 46 customer-generated change requests in **4 weeks**.
- Coordinated with 18+ internal stakeholders on a daily basis** to oversee the timely completion of contractual and financial documentation in a remote-friendly setting.
- Became the trusted person for final proofreading and editing of major change control packages and was responsible for transmitting them to the customer for approval.

### Integration Engineering Co-op · PAL Aerospace May 2021 – Aug 2021

- Developed scripts using **Python** and **Azure Pipelines** via Azure DevOps to automate the process of archiving in-development documentation for external review systems.
- Rewrote the **C#** and **XAML** code that provided the UI for surveillance equipment control software on special-mission aircraft utilizing the MVC design pattern.
- Integrated **CI/CD** infrastructure into the department's workflow via **Azure DevOps** to allow for automated nightly testing and provided training in its use to the team.

### IT Systems Engineering Co-op · CCG/DFO Sept 2020 – Dec 2020 | Jan 2020 – Apr 2020

- Developed in-depth test procedures to standardize previously non-existent testing processes within the ITS department at the Canadian Coast Guard (CCG).
- Established acceptance requirements for in-development **Java** software, establishing a measurable endpoint for the project which did not exist previously.
- Developed a suite of unit tests over two co-op placements which identified a number of bugs and inefficiencies, fixing these resulted in a **+35% improvement to processing speed** and **increased software accuracy from 95.4% to 99.7%**.
- Reviewed, edited, created, and formatted complex technical reports regarding the feasibility of integrating new technologies into Coast Guard infrastructure.

## Education

### BEng, Computer Engineering

Memorial University, NL | 2018 – 2023

## Technical Skills

### Programming & Markup Languages

C, C++, C#, Java, Python, CSS3, HTML5, TypeScript, JavaScript, MATLAB, Sass, Tailwind CSS, SQL

### Libraries & Frameworks

React, Angular, Vitest, Jasmine, Jest, Electron, Storybook

### Tools & Platforms

Microsoft SQL Server, Vite, NPM, Webpack, Git, GitHub, Azure DevOps, Microsoft Office Suite

### General

Project Management Lifecycle, Test Driven Development, RESTful, Cryptography, Machine Learning Fundamentals, Computer Security, Real-time Operating Systems

## Professional Skills

Excellent Oral & Written Communication, Strong Attention to Detail, Team Player, Proven Leadership, Organized, Active Learner, Ownership Mindset, Analytical Problem Solver, Adaptable

## Certifications

### Foundations of Project Management

Google LLC – Online – Feb 2024

### Intro to Frontend Development

Meta (Facebook) – Online – Feb 2024

### Tech Stewardship Practice Program

TSPP – Online – April 2023

### Class 5 Drivers License

Gov. NL – NL, Canada – June 2019

### Standard First Aid – Level C

Canadian Red Cross – NL – Feb 2024

## Interests

Guitar, Graphic Design, Fitness, Reading, Automation, Web Development, Project Management, Machine Learning, Improv

# JARROD RUMSEY

jarrodrumsey.ca | (709) 728-9145 | St. John's, NL, Canada | in/jarrodrumsey | github.com/jarrodrumsey

## Volunteer Experience

### Executive Secretary • MUN IEEE Student Branch

Nov 2021 – June 2023

- Collaborated with colleagues to plan and execute community events and competitions.
- Organized and led team meetings and discussions; assigned tasks.
- Procured quotes for new equipment.

### Programming Committee Member • CELC 2022

Oct 2021 – Jan 2022

- Collaborated with committee members to develop conference scheduling.
- Reached out to companies and individuals to find potential speakers.

### Maintenance Committee Member • Burry Heights

Jan 2019 – Present

- Led annual projects of 5 to 15 adult volunteers to upkeep main campgrounds and associated trail system.

### Volunteer Camp Counsellor • Burry Heights

June 2016 – Present

- Planned and led group activities which included anywhere from 15 to 90 campers and counsellors.
- De-escalated situations in real time to resolve conflicts between campers.
- Led and mentored groups of counselors in taking initiative and being an effective leader.

## Select Projects

### Portfolio Website | Jarrodrumsey.ca

November 2023

React | TypeScript | Sass | Vite | NPM | Netlify

A minimalist React + TypeScript portfolio website hosted on Netlify.

### Ashbot

February 2023

Python | Discord API | Discord.py

A work-in-progress multi-purpose discord bot for automating common discord tasks such as rolling dice for table-top games and managing a kanban board via a text-channel.

### RescueAI – Engineering Capstone Project

June 2022 – April 2023

Electron.js | Python | Pytorch | Parrot AR.Drone 2.0 SDK | HTML | CSS | JavaScript | Test Driven Development

A python-powered desktop application that turns a Parrot AR 2.0 drone into a computer-vision-powered search and rescue tool for locating missing persons.

- Developed UI/UX and worked with 2 team members to implement the navigation system. Developed all branding materials.
- Performed quality assurance (QA) testing and code review for the team to promote clean and maintainable code.
- Acted as project manager for a group of 5 people; Developed and managed work plan and worked with team to define project scope. Was directly responsible for assigning tasks and tracking progress.
- Broke down barriers when encountered to ensure on time delivery of new product features and deliverables.

### Ashell

March 2023

C Programming | Linux System Programming | CMake | Test Driven Development

Custom shell for Linux written from scratch in the C programming language, mirroring many functionalities of the Bash shell.

### Legends of Madness

November 2022

C++ | SFML

- Collaborated with 3 team members to develop a 2D platformer video game in C++ utilizing the SFML library.
- Developed the animation engine, asset loading system, physics system, and various other systems as well as procured and/or created all art assets and animations used.