

# JOHN GREY

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## EDUCATION

### University of British Columbia

April 2027

*Combined Major in Computer Science and Business*

*Vancouver, BC*

- **Courses:** Functional Programming; Discrete Mathematics, Data Structures and Algorithms, Object Oriented Programming with Java

## TECHNICAL SKILLS

**Languages:** TypeScript/JavaScript, Python, Java, HTML/CSS, MySQL, Racket

**Frameworks:** React, Node.js, Express.js

**Developer Tools/Technologies:** Git, GitHub, VS Code

## EXPERIENCE

### Frontend Developer

Mar 2024 – PRESENT

*UBC Biomedical Engineering Student Design Team*

*Vancouver, BC*

- Drafted, created and pitched web prototypes to model the website increasing engagement by **95%**
- Developed an interactive web page from scratch using Node.js, HTML, CSS and Javascript
- Updated and maintained code base throughout the year to operate smooth and efficient workflow

### Training Operations Intern

June 2023 – Aug 2023

*Department of National Defense*

*Summer Cadet Digital Learning Centre (Virtual)*

- Upheld rigorous training standards for all Western Canadian cadets including **600+ cadets** and **10 staff cadets**
- Taught intermediate cybersecurity material such as VMWare, Ubuntu and Capture-the-Flag to **90 cadets**
- Maintained data spreadsheet of the attendance records, academic standings, and course completion for **600** cadets
- Collaborated with over **40 staff** members to engage **1400+** cadets across Canada spanning seven weeks
- Created a **42-page** action plan and reference guide for the following year's digital cadet summer camp

### Informational Technology Intern

June 2022 – Aug 2022

*Department of National Defense*

*Bagotville Cadet Training Centre, QC*

- Selected as **one of six cadets nationwide** and used PowerApps to prototype the Uniform Measurement App
- Revamped the cadets.ca website through multiple iterations using **HTML** and **Adobe Experience Manager**
- Created and utilized **HoloLens** to assist with the learning of maintaining uniform and instructional techniques
- Used data visualization models via PowerBI to analyze cadet website and Microsoft 365 engagement
- Redesigned internship by **introducing hardware, programming and cybersecurity**

## PROJECTS

### Stock Trading Simulation | Java, JavaScript (JSON) | View Github

July 2024 – Aug 2024

- Designed a Java-based application using Object Oriented Programming to simulate realistic market operations
- Developed a user-friendly GUI with JSwing and JTable to buy, sell stocks, view order history, and view stocks
- Utilized JSON to implement save and load features that can restore a previous version of a market
- Record orders committed during the simulation that are printed to the terminal when closed to aid debugging
- Conducted thorough unit testing with JUnit to ensure 100% code coverage to provide accurate debugging

### Spotify Clone | React, JavaScript, TypeScript, Supabase, PostgreSQL, Tailwind | View Site

May 2024 – July 2024

- Developed a full-stack interactive web page serving song playback, song upload and subscription integration
- Implemented user-login through email/Github account creation, storing user-liked songs and allowing song upload
- Utilized a database via Supabase to store user info, liked songs, uploaded songs and subscription information
- Integrated Stripe to model after Spotify Premium's monthly subscription system