# Ferdinand Haaben

*Computer Science Graduate*

Vernon, BC
Canada

Experienced in front-end and back-end design and implementation. Familiar with relational database structure, algorithm design, and data analysis. Passionate about solving problems with code. Eager to apply this passion and learn more about software development.

## Contact

+1-778-917-8365

ferdinandhaaben@proton.me

LinkedIn

GitHub

Website

## Languages

Java

Python

SQL

ReactJs

JavaScript

C

R

German

## Education

| **University Of British Columbia** | 2019-2024 |
| *Bachelor Of Science – Computer Science* | Kelowna, BC |

| **Northern Lights College** | 2015-2016 |
| *Aircraft Maintenance Engineering* | Dawson Creek, BC |

## Related Experience

| **Plume Design Inc** | 2023 |
| *Network Traffic Analyst* | Remote |

- Configured OpenWRT router with OpenVPN and tcpdump
- Analyzed packets with custom command-line tools and Wireshark
- Wrote "signatures" in a custom language to identify network traffic
- Automated processes using Python scripts

| **Ocean Networks Canada** | 2022 |
| *Junior Software Developer* | Victoria, BC |

- Created and maintained UI tests with Selenium
- Developed new front/back-end features with React and Java
- Conducted code reviews for other developers
- Implemented Git, Jira, Agile SDLC, Java, Selenium, JUnit, Mockito, Eclipse, VSCode, React.js, and JavaScript

## Projects

| **Parrot (Discord Bot)** | 2022 |

- Created an AI Discord bot to replicate user messages in any voice
- Built a Django website with Discord and Stripe for monetization
- Used Python, MySQL, Django, OpenAI, ElevenLabs, and Stripe APIs

| **Teaching Assistant Scheduler (Web App)** | 2023 |

- Maintained and enhanced a TA scheduling Web-App
- Implemented with Laravel, jQuery, Bootstrap, and MySQL

| **Office Hours (Web App)** | 2023 |

- A web app to manage student queues for professor help.
- Completed front-end redesigns of multiple pages
- Added new features to give admins and professors more control
- Expanded app for use by multiple institutions
- Implemented using Nest.js, Next.js, React, and TypeScript

| **AI Content Generation (Web App)** | 2023 |

- Led a team to create an app that converts text input to PowerPoint
- Delegated tasks, set project priorities, and established key milestones
- Used OpenAI API to generate presentations
- Built with Django, Bootstrap, jQuery, PostgreSQL, and Docker