

# Zachery Prenovost

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## Summary

Computer Science graduate with a passion for developing responsive, beautiful, functional software. Looking for a role where I can grow in my skills and experience by collaborating with other talented developers. US / CAD Citizen open to relocation anywhere in North America

## Education

### University of British Columbia

Graduated May 2023

Bachelor of Science - Computer Science

Coursework: object-oriented programming, algorithms, data structures, AI, databases, parallel computing, project management, UI/UX design, web development, machine architecture, and data analysis.

## Experience

### Full Stack Web App - Firewood Sales Portal

Aug 2022 - May 2023

Rotary Club of Kelowna Ogoopogo - Kelowna BC, Canada

- Created a React web app using Node and Express for backend with MongoDB as the Database
- Used Twilio API for text and email confirmation and Square API for credit card processing
- Used agile software development methodology amongst a small team

### AI Game Playing Client - Game of the Amazons Tournament

Jan 2023 - May 2023

University of British Columbia - Kelowna BC, Canada

- Developed a Java program to play the Game of the Amazons in tournament play
- Used a combination of state-based search and heuristic functions to pick competitive moves
- Implemented search techniques Monte-Carlo and MiniMax

### LAMP Stack Website - Surf Forum Message Board

Jan 2023 - Apr 2023

University of British Columbia - Kelowna BC, Canada

- Developed a 'surfing' themed message board website written in PHP
- Utilized a MYSQL database for storage of Posts, Messages, and Users
- Incorporated HTML, CSS, and Javascript for client side form validation

### Discord Chatbot

Jan 2022 - May 2022

University of British Columbia - Kelowna BC, Canada

- Developed a Java program that could have full conversations with a user
- Used Discord API to connect chatbot to discord server
- Included Yahoo Finance API, Twitter API to allow bot access to information

### IT Developer / Administrative Assistant

May 2022 - July 2023

Four Point Electric Inc. - Lake Country BC, Canada

- Wrote scripts using Python to process and report on company data
- Designed new company SQL database and populated with existing data
- Developed an administrative web application with Noloco
- Extensively used Microsoft Suite including Power Automate, Power BI, Excel, Outlook.

## Skills

Languages:	Java, Javascript, Python, C, R, PHP HTML, CSS
Frameworks:	React, Express.JS, Node.JS
Technologies:	Git, MongoDB, SQL, Cuda, REST APIs, Linux, Apache
Other:	MS Power Suite, MS Office, Tableau