Zachery Prenovost

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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

Administrative Assistant / Junior Developer   May 2022 - Present

Four Point Electric Inc. - Lake Country BC, Canada

- ➤ Wrote scripts using python to process and report on company data
- ➤ Designed new company SQL database with er diagram and migrated old data into new system
- ➤ Developed an administrative web application with tools for managing HR and Accounting
- ➤ Automated accounts receivable emails with microsoft Power Automate
- ➤ Managed and processed bi-weekly payroll for a company of 40+ employees

Capstone - Full Stack Development   Aug 2022 - May 2023

Rotary Club of Kelowna Ogopogo - Kelowna BC, Canada

- ➤ Followed agile methodology to develop order taking web application to client specifications.
- ➤ Used UI/UX design principles to develop a streamlined, simple, order taking workflow.
- ➤ Created administrator tools for managing orders, locations, and permissions.
- ➤ Integrated API's to handle text/email confirmation and credit card processing.
- ➤ Gained experience with React, Node, Express, MongoDB

Personal and Academic Projects

Game of the Amazons - Game playing client   Jan 2021 - May 2021

University of British Columbia

- ➤ Developed Java program to play the game of the amazons against other programs or players
- ➤ Used a combination of state-based search and Heuristic functions to pick competitive moves
- ➤ Implemented move search techniques like Monte-Carlo and MiniMax

Chatbot   Jan 2022 - May 2022

University of British Columbia

- ➤ Developed a friendly chatbot that would respond to user input with Java
- ➤ Used Discords API to connect chatbot to discord server
- ➤ Included API's to allow bot to give information about weather, stocks, and tweets.

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