

ALEXANDER PEROCHO

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Education

University of Western Ontario

Specialization in Computer Science—Software Engineering

Sept. 2023 – Exp. April 2025

London, Ontario

Sheridan College

Mobile Computing

Sept. 2022 – April 2023

Oakville, Ontario

Relevant Coursework

- Data Structures & Algorithms
- Database Management
- Computer Organization & Architecture
- Mobile Computing
- Network Foundations
- Interactive Application Development

Experience

Startup

Junior Fullstack Developer Intern

June 2020 – Sept 2020

Mississauga, Ontario

- Experience in the development life-cycle of mobile applications, maximized efficiency when working in a team.
- Overlooking front-end development and application interactivity by developing unit tests, successfully minimizing the time spent on searching for and fixing interactivity bugs.

City of Mississauga

Lifeguard & Swim Instructor

June 2018 – Sept 2019

Mississauga, Ontario

- Monitored pool to ensure and encourage water safe behaviour.
- Carried out lesson plans for beginner swimmers to develop skills surrounding bodies of water.

Projects

Ordered Dictionary | *Java, Git*

Nov 2023

- Implemented an Ordered Dictionary utilizing a Binary Search Tree to efficiently parse, process, and sort data stored within varying files formats.

Pay Roll App | *C#, .NET, Git*

February 2023

- Designed and developed a mobile application to manage and automate a payroll system between diversified employee categories.

Fitness Center Database | *Azure SQL, Visual Paradigm, Figma*

October 2022

- Leveraged SQL, Visual Paradigm, and Figma to design a comprehensive wire-frame and model a scalable database, effectively managing information systems for a hypothetical fitness center.

Personal Website | *HTML/CSS, JavaScript, Git*

December 2021

- Developed a website from vanilla HTML/CSS, and JavaScript for use as an e-portfolio for my computer science endeavours.

Algorithm Visualizer | *HTML/CSS, JavaScript, Python, Git*

December 2021

- Developed a web application that visualizes various sorting algorithms, highlighting their distinct time complexities and operational mechanics.

Chess | *HTML/CSS, JavaScript, Java, Git*

November 2021

- Developed a chess web application using advanced object-oriented programming principles, structured under the model-view-controller design pattern, effectively implementing both the GUI and game logic.

Data Comperssion Program | *Python, Git*

October 2020

- Implemented a quad-tree data structure to process, compress, and decompress bitmap images with varying loss-levels.

Technical Skills

Languages: Python, Java, C, C#, SQL, HTML/CSS, JavaScript

Technologies/Frameworks: Git, .NET (MAUI), Flutter, JQuery, Bootstrap, Unix

Extracurricular

Athletic: Badminton Club, Climbing Club, Western Skii & Snowboard, Golf, Hiking, Camping

Social/Academic: Western AI, WOOF, Hip Hop Western