

Parsa Ahmadizadeh

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Education

Toronto Metropolitan University

Computer Science Honors. GPA 3.9

Achieved Dean's 2023/24 while completing 21 courses in one calendar year.

Toronto, Ontario

Graduation Date: April 2025

Skills

Soft Skills: Problem-solving, Innovative Thinking, Team Collaboration, Time Management, Adaptability, Continuous Learning, Bilingual, quick learner, detail-oriented, Customer-focused, Growth Mindset, Driven, Passionate, Hard Working

Programming Languages: Rust, C, C++, Python, Java, JavaScript,

Web Technologies: HTML5, CSS3 (Bootstrap), React, Node.js, Express.js, AJAX, MongoDB, SQL

Other Skills: Full-stack web development, Algorithm Design, Data Structures, Object Oriented Programming

Experience

Pioneer Engineering

Irvine, California

Software developer (part-time contractor - Remote)

April 2023 – present

- Developed and programmed software in C for custom industrial machinery valued at up to \$20 million.
- Integrated communication protocols between sensors, motors, and actuators to ensure accurate automation based on conditional inputs, ensuring reliable and scalable automation.
- Completed projects on schedule with minimal oversight, proactively identifying and resolving legacy issues to improve system performance, efficiency and reliability.

LocaMax Inc.

Richmond Hill, Ontario

Project Coordinator / Manager

February 2021 – March 2023

- Led a team of three students, where I planned, learned, and then taught the work to the students to renovate a house from the foundation to finish. Completely changing the skeletal structure and design.
- Implemented innovative strategies to improve efficiency and reduce costs, increasing property value by \$3 million while reducing cost by \$6-700K while maintaining higher than expected quality.
- Developed strong leadership and project management skills, ensuring projects were completed on time and within budget.

NueWal

Toronto, Ontario

Technology Officer

March 2019 – December 2020

- Managed all technological initiatives, including developing and maintaining the company website using **WordPress, HTML/CSS (Bootstrap), and JavaScript**.
- Took the initiative by completely redesigning outdated websites and IT management, and technology integration to improve workflow efficiencies, leads and sales generation, and social media marketing.

Projects

Boggle game solver *Rust*

- Implemented efficient backtracking algorithms and custom data structures to improve performance.

Customer and Product Book Keeping *Java*

- An application that stores customer and product information using Java. Implemented object-oriented programming principles for modularity and scalability.

Sudoku Solver *JavaScript*

- Developed a Sudoku solver using JavaScript, employing backtracking algorithms. Optimized the algorithm to solve puzzles efficiently.

Leadership and Activities

Athletics

Toronto, Ontario

Semi-professional soccer player/coach & personal trainer

2010 – Present

- Played for IFC and Masters in Ontario's top non-professional league
- Coached youth teams, developing mentorship and leadership skills.
- Trained individuals to adopt healthy and challenging lifestyles through sport. Motivated and taught clients to achieve fitness goals through exercise and nutrition.
- Cultivated communication skills, discipline, initiative, motivation, leadership, hard work, and teamwork