

Ethan Ramos

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EDUCATION

University of Guelph

Honours Computer Science, Bachelor of Computing

Guelph, Ontario

Sep 2023 – Present

- Completed, **Data Structures, Discrete Math I/II, Object Oriented Programming** achieved averages of 75+ in those courses

EXPERIENCE

Member

Google Developer Student Clubs

Sep. 2023 – Present

Guelph, ON

- Gained Front-End Proficiency, developing, and showcasing expertise in **HTML, CSS, and JavaScript** beyond foundational levels.
- Worked in collaborative projects, adapting to evolving requirements and refining problem-solving skills.
- Cross-disciplinary Collaboration**, fostering innovation through effective communication and collaboration across disciplines.
- Practice practical concepts and **creating algorithms** for various problem sets

Member

DECA

Jun 2021 – Sep 2022

Mississauga, ON

- Competed in the marketing cluster and **won regional competition** attended **provincial competition**
- Worked alongside teammate and partner to develop creative marketing solutions to prompts by judges utilizing **technology in solutions** in all rounds.
- Practiced with club and learned about various **technology frameworks**, and how to incorporate them into practical marketing solutions.
- Created presentations for my cluster and helped **teach cluster members about innovative technologies**.

PROJECTS

Personal Portfolio Website | *HTML, CSS, JavaScript*

Jan 2024 – Jan 2024

- Showcased web design prowess with a **clean, and aesthetically pleasing website design**. Demonstrates skills in front-end development.
- Demonstrated **commitment to inclusivity and professionalism** with a responsive and accessible design. The personal portfolio website is seamlessly navigable across various devices, allowing recruiters to access it effortlessly.
- Worked to change UI of the website to make it more appealing to users **spacing and flexing to fit the size of any device**, specifically smartphones.
- Used **HTML** in conjunction with **CSS** to embed built in links and drop down menus, **fully functional**.

Stock Portfolio Simulator | *Java, Git*

Oct 2024 - Nov 2024

- Designed and developed a comprehensive **Bank Management System** in Java, showcasing strong foundational knowledge of **object-oriented programming principles**.
- Leveraged **HashMaps** and **String Tokenization** to implement robust account management functionalities, enabling efficient storage and retrieval of stock data based various search fields.
- Achieved a seamless user experience by focusing on functionality and performance, reducing runtime overhead through efficient algorithm design.

Assembly Language 24-Hour Clock | *Assembly Language, Easy68K*

Nov 2024 - Dec 2024

- Developed a fully functional **24-hour clock** using **assembly language** on the **Easy68K** platform, leveraging its hardware integration with **7-segment displays** for real-time output.
- Designed and implemented algorithms to handle accurate timekeeping, including logic for minute and hour incrementing within the constraints of assembly programming.
- Demonstrated deep understanding of low-level hardware programming, utilizing **memory-mapped I/O** to interface with the 7-segment display for precise visual representation.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML/CSS, R, R-Studio

Frameworks: React, Node.js, FastAPI

Developer Tools: Git, VS Code, Visual Studio, IntelliJ, Linux