

EREN AHWAI

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EDUCATION

Queen's University, Smith School of Engineering

First Year of Bachelor of Applied Science Degree – Computer Engineering – Innovation

Kingston, Ontario

2024-Present

- **Key Courses:** Computer Programming, Engineering Design Studio, Data Structures & Algorithms, Digital Systems
- **GPA:** 3.49
- **Awards:** Dean's Scholar – 2024, 1st Place at I.C.B.C. - QCC

TECHNICAL SKILLS

- **Languages:** C, C++/Arduino C, PHP, JavaScript, CSS, Bootstrap, Python, SQL, Swift, Bash Scripting, OpenCV
- **Software:** WordPress, KiCad, SOLIDWORKS, Jira

PROFESSIONAL EXPERIENCE

Tutorax

Tutor

Ottawa, Ontario

April 2025-Present

- Improved students' understanding of course content
- Adapted to teach in an individualized style for every student
- Communicated with parents about logistics and progress of tutoring

EXTRACURRICULAR EXPERIENCE

Engineering Society Software Development Team

Project Manager

Ottawa, Ontario

May 2025 - Present

- Led a team of 3 developers to create a resume help service for Queen's engineering students
- Taught developers how to use Git/GitHub for version control and collaborative purposes
- Managed work distribution to help the team learn while meeting deadlines
- Planned to develop code using the spiral model, meant to be sustainable and secure from the ground up

Queen's Aerospace Design Team (Bash, Python)

Software Developer

Kingston, Ontario

2024-Present

- Configured Linux software environment with Bash scripts
- Developed drone python code to work with PX4 flight control software and ROS2 robotics library to complete competition tasks in an optimal manner
- Collaborated on tasks using Git for version control and merging

Queen's Engineering Society

Orientation Leader (FREC)

Kingston, Ontario

2025-Present

- Mentored students through transition from high school to post-secondary education
- Lead a group of 20 first-years through activities to help students bond and thrive in a new setting
- Collaborated with other leaders to stay on the given schedule and provide the best experience for the first years
- Connected first-years with resources that will be crucial for their time at Queen's University

IEEE Ottawa Robotics Competition

Ottawa, Ontario

The IEEE Ottawa Robotics Competition brings together student groups from schools across Ottawa and allows them to compete against their peers in various robot competitions, like drag race, sumo, and line following challenges.

Webmaster

2023-2024

- Maintained competition website – ensuring 80+ students were able to register
- Updated website competition content

PROJECTS

Grade 12 Progress Report System (PHP, JavaScript, SQL, Bootstrap, CSS) – 2023-2024

Ottawa, Ontario

Prototyped a fully functional progress report web-application for the school to use.

- Refined high-level user and system requirements
- Implemented Extract, Transform, and Load (ETL) functionality to process CSV files, and upload all data to an external database
- Implemented marking and email grade distribution system for teachers
- Developed user-friendly UI using CSS, JS and Bootstrap

Grade 11 Terminal Based Game Console (C) - 2023

Ottawa, Ontario

- Developed simple games with customizable settings
- Implemented file input/output functionality to save user information and scores in the games

ADDITIONAL INFORMATION

- **Languages:** English, Turkish (Limited Working Proficiency)
- **Certifications:** WHMIS, First Aid & CPR-C
- **Athletics:** West Ottawa Soccer Club, Kanata Blazers Hockey, Queen's Rock-Climbing Club
- **Interests:** App Development, Robotics, Music (Royal Conservatory Level 5 Certified in Piano), Space Exploration, Hockey, Game Development, Travelling