MEHDI ESSOUSSI

COMPUTER ENGINEER

CONTACT ME AT

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📍 Toronto, Ontario

PERSONAL PROFILE

Hardworking and enthusiastic 4th year university student working towards a B.S. in Electrical and Computer Engineering at the University of Toronto with a minor in Artficial Intelligence and Business. Seeking to use my knowledge of software development, coding and problem solving to effectively serve your company in an internship position. Dedicated and committed to becoming a dependable and valuable team member.

EDUCATIONAL HISTORY

University of Toronto

Bachelor of Applied Science (B.A.Sc), Electrical and Computer Engineering | Expected in 06/2025

- Studied digital systems, electronics, communication systems, computer architecture, and software.
- Worked on various programming and design projects

SKILLS SUMMARY

- Programming (C, C++, Python)
- Computer hardware
- Operating systems
- Problem Solving
- Team Relationships
- Leadership
- Results-driven
- Design
- Project management
- Accounting and finance
- Artificial Intelligence

LANGUAGES

- English
- Spanish
- French
- Arabic

WORK EXPERIENCE

Professional Athlete

Toronto FC, Toronto | June 2018 – December 2022

- Developed a strong sense of teamwork, communication, and leadership skills.
- Established a strong leadership presence amongst fellow athletes, providing guidance and support. Culminating in captaining the team.
- Successfully managed time between schoolwork, practice sessions, and competitions.
- Maintained physical fitness through exercise, conditioning and diet demonstrating determination and will-power.

PROJECTS

City map location tool (Design and Communication)

Designed and completed a large software project in a team, and communicated effectively with both technical supervisors and clients facing business managers. The project focused on areas like design, software development, oral communication and written communication. The software program provided functionality similar to Google Maps, plus some other features

The applications of the spider's web on a human scale

Worked on the application of the spider's web and properties on a larger scale. Looked into the possibility of using its strength, elasticity, and durability properties to aid the disabled, help the military, enhance athletic performance, and many others.

Knock activated security door lock (Embedded systems)

Designed and implemented a knock lock using a stm32 nucleo-f446ze board using concepts learned in class such as interrupts, analog to digital conversion (ADC) and audio processing. The alternative to the traditional key-lock is unlocked via a 'secret knock' combination. This project focused on areas like embedded systems, coding, finite state machines and interfacing with the 'real world'.

Trinity College sustainable rooftop project (Engineering strategies and practice)

Designed and completed a large scale design project for the university of Toronto's Trinity college new construction plans. Worked with a client (dutch architect) and went through a complete design process to develop a workable solution to meet the client's need. The end result was a portfolio of written and graphical work and an oral presentation to the client and shareholder's in the project. The project is currently being implemented as a part of Trinity college's new building.

RELEVANT COURSES COMPLETED

ECE110 : Electrical Fundamentals	ECE241 : Digital Systems
ECE244: Programming Fundamentals	ECE212: Circuit Analysis
ECE216: Signals and systems	ECE221: Electric and Magnetic fields
ECE243: Computer Organization	ECE297: Software Design and Communication
ECE361: Computer Networks	ECE342: Computer Hardware
ECE344: Operating Systems	