

# Waleed Hawwari

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## Education

University of Guelph

Guelph, ON

B.A.Sc Candidate Computer Engineering

Sept. 2021 - May. 2025

- Relevant Courses: Data Structures (C), Electric Devices, Object-Oriented Programming (Java), Digital Devices, Differential Equations, Engineering Design

## Skills

Languages: C/C++, Java, Python, HTML, CSS, JavaScript, React Ts, Tailwind css, Node.js, Firebase

Technical Skills: Data Structures and Algorithms, Database and SQL, Object-Oriented Programming (OPP) Languages, Integrated Development Environments (IDEs), Web Development, Git Version Control, LLM

Tools and Services: Git, Visual Studio, AutoCAD, Solidworks, Netbeans, Excel, Vivado, MathCAD

## Work Experience

RadicalX

New York, New York

Software Developer & AI Intern

Oct. 2023 - Present

- Development of key components of the RadicalX platform, **utilizing Firebase, Node.js, and React**, with a focus on creating and enhancing features like RadicalX Missions, subscriptions and payout systems.
- Leveraged advanced technologies like **OpenAI and TensorFlow** to meticulously develop an AI Dev Manager, while also innovating in adaptive learning by **crafting personalized algorithms**, ensuring streamlined operations and enhanced user interactions.
- Contributed to **25% of the user's email system development**, with a specific focus on finalizing automated email designs that garnered an impressive **80% approval rate from superiors**.

## Projects

React Typescript Portfolio

React ts, tailwind CSS

In progress

- **Responsive & Interactive interface:** Focusing on dynamic features facilitating real-time interaction and responsive adaptation whilst showcasing my background and achievements.

Content Filtering LLM

Vertex AI

In progress

- **Advanced Prompt Engineering with Vertex AI:** Innovatively utilized Vertex AI for prompt engineering, significantly enhancing the model's capability to manage and interpret and flag diverse and complex user interactions efficiently.
- **Dialogflow/Flowise-Driven Conversation Management:** Skillfully implemented and oversaw conversation flows using Dialogflow and Flowise, ensuring structured, coherent dialogues for an optimized user experience.

Array and Hash Table Implementation

C

2023

- **Implemented Hashing Algorithm:** Creating an associative array, involving advanced hashing strategies and testing for optimized data storage and retrieval.
- **Collision Handling and Optimization:** Utilizing specific probing methods like linear probing or chaining to effectively manage hash code conflicts

File Scenario Executor

2023

Java

- **Advanced Inheritance Utilization:** Designed to leverage inheritance in a multifaceted manner, enabling the integration of multiple codebases to accomplish varied tasks efficiently.
- **Comprehensive File Execution:** Intakes scenario files, subsequently executing a chosen command. Post-execution, it generates an output file, ensuring accuracy and efficiency.

## Leadership

Institute of Electrical and Electronics Engineering (IEEE)

Guelph, ON

President & Founder

Jan. 2023 - Present

- Took ownership of all club operations, encompassing meticulous planning, strategic decision-making, and proactive outreach efforts, resulting in over **90% positive feedback** based on a post-event survey.
- Actively promoted IEEE's mission of **advancing technology** for the benefit of humanity, emphasizing the importance of innovation, research, and ethical practices in the field.