

ANEEQ HASSAN

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Education

University of Toronto

Honours Bachelor of Science in Computer Science

September 2019 – May 2025

- **Relevant Coursework:** Software Engineering, Computer Architecture, Engineering Large Software Systems, Data Structures, Algorithms, Linear Algebra, Statistics, Software Design, Network Programming, Web Development

Experience

Learning Mode AI

Software Engineer

February 2025 – March 2025

Toronto, ON

- Built a time-synced quiz overlay that dynamically tracks video position and updates questions in real-time, enhancing learning interactivity
- Integrated OpenAI Assistant API to generate questions based on video context, improving content adaptability.

Magnet Forensics

Software Developer Intern

January 2025 – April 2025

Toronto, ON

- Developed Fastrak using C# (.NET stack) to offload data acquisition from GrayKey to standard PCs, reducing GrayKey usage per phone by **85%**, enabling simultaneous extractions, and significantly improving the efficiency of a **\$60k** tool

Annaly

Software Engineer Intern

February 2024 – August 2024

Toronto, ON

- Designed and implemented an **ETL Notifier System** using C#, .NET, VCron, and SQL Server, monitoring data arrivals from **over 30 vendors** and reducing incident response time by **95%**
- Migrated **24** margin calculation applications from Microsoft Interop to ClosedXML, cutting execution time by **50%** and reducing server **CPU usage by 40%**
- Built an email logging system using **Mailgun API** and SQL Server that tracks **10,000+** monthly communications, reducing audit lookup time by **75%**

Enbridge

Data Analyst Intern

June 2023 – September 2023

Toronto, ON

- Developed an internal tool in 1 sprint using Microsoft Power Apps, enabling over **10 teammates** to seamlessly report and track progress updates, which resulted in a **75%** increase in inter-departmental communication efficiency.

Koho Financial

Software Developer Intern

May 2022 – May 2023

Toronto, ON

- Engineered **integration tests** using **Go** that validates user registration flows, integrating with **Jenkins** pipeline to catch bugs before deployment and reducing QA time by **45%**
- Integrated **Google Pay API** into Koho's mobile app, driving **40%** adoption among Android users and processing **\$2M** in transactions within first quarter of launch
- Implemented **NgRx** state management across mobile app, reducing API calls by **60%** and cutting load times by **30%**

University of Toronto

Teaching Assistant

January 2022 – May 2025

Mississauga, ON

- Instructed over **2,000** students across **6** semesters in **data structures, algorithms, OOP, and complexity** using **Python** in an active learning environment
- Led weekly labs for **5** sections, improving average grades by **47%** by creating lesson outlines and aiding students

Projects

MailflowAI | Python, GCP, Cloud Pub/Sub, OpenAI

December 2024 - Present

- Developed an AI-powered 24/7 customer service automation tool for e-commerce businesses which reduces monthly costs by **\$14K USD** and reduces response times from hours to minutes

BizReach Marketplace | React, Express, Node.js, Socket.io, Firebase, OpenAI

May 2023 - August 2023

- Led a team of **5** to design and build a full-stack marketplace using Firebase Auth and a REST API with Express for smooth data flow and user experience.

Technical Skills

Languages: Python, Java, C, C#, C++, HTML/CSS, JavaScript, TypeScript, SQL

Tools: Cursor, Co-Pilot, Git, Linux, Docker, Kubernetes, Firebase, Postman, Datadog, Jira, Redis, MongoDB, SQL Server

Frameworks: React, Node.js, Express.js, Angular, .NET, SASS, JQuery, FastAPI, TailwindCSS, Bootstrap

Concepts: Software Engineering, Database Design, Cloud, Scrum/Agile, Machine Learning, Web Development