

Omar El Malak

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SKILLS

Languages: Java, Python, C#, C, JavaScript, HTML/CSS, Dart, Assembly (RISC-V)

Frameworks and Libraries: .NET, Flask, FastAPI, Flutter, React, Next.js, React Native, xUnit, BenchmarkDotNet, JUnit, JavaFX, Prisma, SQLite, OpenTelemetry, OpenCV, MediaPipe, Tensorflow, NumPy

Developer Tools: Jira, Bitbucket, Gitlab, CircleCI, Google Cloud Platform, Google Kubernetes Engine, Google BigQuery, Google Cloud Pub/Sub, Microsoft Azure, Supabase, Terraform, Sentry, Lucidchart, Slack, Figma

EDUCATION

University of Toronto (GPA: 3.82/4.0)

Toronto, ON

Computer Science Specialist + Business Minor + Mathematics Minor + PEY Co-Op

Expected Graduation: 2027

- **Courses:** Theory of Computation, Data Structures and Algorithms, Software Design, Programming on the Web, Machine Learning, Probability and Statistics, Operating Systems, Systems Programming, Computer Organization

EXPERIENCE

Software Engineering Team Lead

January 2025 – Present

MyEdMaster

Toronto, ON

- **Leading a team of 7 software engineers** to complete a digital transformation of the startup's tutoring service.
- Designed, implemented, and deployed an AI-powered database management system for tutors using Cohere API.

Director of Operations

October 2024 – Present

Google Developer Group (University of Toronto)

Toronto, ON

- **Leading the operations and marketing teams of 11 associates** to host events (i.e. Women in Tech).
- Facilitating outreach to companies and industry professionals to engage and share insights at our events.

Teaching Assistant

August 2024 – December 2024

University of Toronto

Mississauga, ON

- Supported instruction for **CSC236 (Theory of Computation)** with **550+ registered students**.
- Hosted tutorial sessions each week with **30+ registered students**.
- In charge of curating the team's interactive visual teaching material and algorithm demonstrations each week.
- Hosted in-person morning office hours and offered online student forum feedback using **Piazza**.

Software Engineering Intern

June 2024 – August 2024

Geotab

Oakville, ON

- **Led the winning team** of Geotab's Intern Innovation Challenge, developing the most innovative video telematics solution with a driver and manager-centered UI/UX design, along with AI collision and distraction detection models.
- Worked as an Agile/Kanban backend engineer on the OEM Integration Team, deploying **.NET (C#)** updates for thousands of vehicles across NA, EU, and LatAM from **7 globally recognized partners**.
- Conducted a JSON parser optimization project, achieving **80% memory improvement** on a specific data type and documented findings in a published, engineer-backed benchmark report.
- Created an OEM device activation system with error handling and retry scheduling, impacting **200+ trucks in NA**.
- Hosted and presented at a Data Platform demo session to an audience of **30+ engineers and senior business management**, using UML diagrams to illustrate API handler interactions for a codebase migration project.

Software Engineering Intern

July 2023 – August 2023

Grubtech

Dubai, UAE

- Worked as an Agile mobile and frontend engineer, using **Flutter (Dart)** to develop new features for the company's AI mobile application, deployed to **700+ brand clients**.
- Designed and implemented a comprehensive mobile application guide to onboard clients on application launch.
- Enhanced clients' visibility to company-specific statistical insights through new UI overlay elements.
- Solved and pushed bug-fixes that improved cross-device (iOS and Android) application responsiveness.

Cybersecurity Intern

June 2022 – August 2022

spiderSilk

Dubai, UAE

- Worked with the AI and Data Science Team to develop data cleaning and bucketing strategies in **Python**, supporting the company's **asset allocation ML models** used to safeguard global brands' digital assets.
- Developed and delivered an engaging slide deck to educate students on internet safety on behalf of the company.
- Refined the statistics and machine learning recruitment assessments to enhance candidate evaluation accuracy.