

MERIAM FOURATI

647-996-4352
meriam_fourati@yahoo.com
/in/mfourati
/meriam04
https://meriam04.github.io



EDUCATION

University of Toronto

BASc in Computer Engineering

Sep. 2019 - May 2024 (Expected)
cGPA: 3.74/4.0

- Engineering Business Minor (Rotman School of Management), Certificate in AI Engineering
- University of Toronto Dean's Honours List (2019, 2020, 2021, 2022)
- Relevant Coursework: Algorithms & Data Structures, Computer Networks, Operating Systems, Machine Learning, Databases, Object-Oriented Programming, Software Engineering, Control Systems

EXPERIENCE

Google LLC | [Software Engineer Intern](#)

May 2023 - Sep. 2023
Sunnyvale, CA, USA

- **Designed, implemented, and deployed** to production, a user-friendly and extensible framework in **Go**, to streamline the process of adding new hardware to existing networks, accelerating qualification workflows by up to **80 hours** per new device.
- **Optimized** the framework to support dependency management and scalable **gRPC** requests, allowing other teams to contribute with validations for their systems.
- **Authored** a comprehensive design document and **presented** a TechTalk to the org as a reference for engineers.

Tools & Technologies: Go, Goa, gRPC, Google Cloud Platform, Kubernetes (Borg), Topological Sorting Algorithm

BlueCat Networks Inc. | [Software Engineer Co-op](#)

May 2022 - Apr. 2023
Toronto, ON

- Created tools to **monitor** BlueCat Address Manager (BAM) **resource utilization** and **DNS performance** to aid in troubleshooting and resolving customer issues faster.
- Wrote test suites and **built automated integration and system (end-to-end) tests** which ensured newly added features behaved as expected and caught bugs early in development.
- **Updated** the **front end** of the BlueCat Address Manager to improve access to company documentation.

Tools & Technologies: Python, Java, JUnit 5, Bash, Jenkins, Tapestry, React

Bluewrist Inc. | [Software Engineer Intern](#)

May 2021 - Aug. 2021
Markham, ON

- Created an **authentication API** to generate new passwords for product configuration and administration with validation.
- Built user interface to enable customer self-service to process and analyze 3D scan data.

Tools & Technologies: VB.NET, ASP.NET, MVC, Visual Studio, Jira, TestRail, Google Authenticator

PROJECTS

BlueSurf | [GitHub](#), [Website](#), [Video](#)

Sep. 2023 - Nov. 2023

[Python](#), [Flask](#), [React](#), [Typescript](#), [PostgreSQL](#), [Render](#)

- Led backend development, optimizing UofT event discovery app by creating Python (Flask) APIs and Postgres database.
- Achieved improved deployability through strategic code refactoring, reducing deployment issues.

Emotion Watchers | [GitHub](#)

Jul. 2023 - Current

[Python](#), [PyTorch](#), [Deep Learning](#)

- Led hands-on data collection, advancing the development of an integrated face and pupillometry emotion detection system.
- Attained 97% accuracy with baseline model for classifying emotions based on facial expressions.

Mutli-User Chatrooms Service | [GitHub](#)

Nov. 2021

[C](#), [Unix TCP Socket Programming](#)

- Created a service that allows multiple users to participate in multiple chatrooms in realtime using TCP socket programming.
- Built an administrator service to manage users, including removing users if required.

SKILLS

- **Languages:** Go, C++, Python, Java, C, Bash, Proto, HTML, CSS, C#, Verilog, Matlab, Assembly, VB.NET
- **Technologies:** Git, gRPC, GCP, Goa, Kubernetes, Visual Studio Code, JIRA, Chrome Developer Tools

EXTRACURRICULARS

Frosh Committee | [Frosh Leader](#)

May 2020 - Sep. 2020

- Led and managed group activities and provided an inclusive and welcoming atmosphere for new Engineering students.

Involvements & Interests: UofT Skule Dance Team, Piano, Gymnastics, Volleyball, Tennis