

Omar Shalash

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EDUCATION

University of Toronto

Bachelor of Science, Computer Science Specialist Program (cGPA: 3.89/4.0)

[Courses and Unofficial Transcript]

Toronto, ON

Sept. 2019 – Jun. 2023

PROJECTS

Personal Website : www.omarshalash.com (for additional information and projects)

[Code]

Idea Hut | *MERN Stack*

[Code]

- Designed and implemented a full-stack web application that allows users to share project ideas.
- Built a **RESTful** back-end API using **Express** integrated with a **MongoDB** database.
- Created a responsive front-end using **ReactJS** and **Bootstrap**, while using **Axios** for API calls and **Redux** for state management.
- Used **JSON Web Tokens** and **Bcrypt** for user authentication and security.

Objectively Best Calendar | *Java*

[Code]

- Developed along with four teammates a fully-fledged desktop calendar application.
- Implemented core functionality such as adding, editing and deleting events as well as adding weekly weather forecasts by making OpenWeatherMap API calls and creating a UI using **Java Swing**.
- Used an **Object-Oriented Design** while utilizing powerful design patterns and software architecture principles.

Link Up | *Android*

[Code]

- Engaged in developing an Android app that allows users to create groups and arrange meet ups in a casual and simple manner. (For HackTheValley IV Hackathon).
- Designed and implemented the front-end of the mobile app using **Android Studio**.
- Created **Firebase Functions** serving as a minimalist cloud-based back-end.

EXTRACURRICULAR EXPERIENCE

General Executive

Sept. 2020 – Present

UofT AI

- Involved in organizing a speaker series initiative aimed to enrich undergraduate students interested in artificial intelligence.
- Invited and coordinated with industry and research leaders in artificial intelligence from companies such as RBC, Shopify, and Cerebri AI to give students insightful talks.

Orientation Leader

Aug. 2020 – Sept. 2020

Computer Science Student Union

- Lead a group of 12 freshmen students throughout a two-day virtual orientation.
- Provided resources, guidance, and mentorship to ensure the effective on-boarding of the group.

TECHNICAL SKILLS

Languages (Proficient): Java, Python, JavaScript, HTML/CSS

(Familiar): C/C++, Dart/Flutter

Technologies & Frameworks: React, Node.js, Express, MongoDB, Git, Firebase, Bash, Linux

HONORS AND AWARDS

Euclid Contest

Placed in the top 25% globally and second in high school.

2019

A-Level High Achiever

Achieved the highest A-Level physics grade for the Cambridge 2018 session.

2018