

Ali Adam

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SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C#, SQL, No-SQL

Frameworks: React.js, React Native, .NET, Node.js, Express.js

Technology: Git, Firebase, Linux, Windows, iOS, Android, MacOS

EDUCATION

Lassonde School of Engineering, York University

Honors BSc, Computer Science (GPA: 3.8/4).

Toronto, ON

Sep 2022 - Present

Courses: Design & Analysis of Algorithms (A+), Software Design (A), Database Management Systems (A+), Big Data Systems (A+), Machine Learning (A+), Operating Systems (A+), Computer Network and Protocols (A+)

WORK EXPERIENCE

Teaching Assistant

Lassonde School of Engineering, York University

Toronto, ON

Jan 2022 – May 2023

- Lead Teaching Assistant in labs and tutorials for EECS 201 (Computer Organization) and EECS 3201 (Digital Logic Design) for 100+ Students
- Assisted students in understanding Computer Science concepts, including Hardware, and Software.

Software Engineer Intern

Ontario Power Generation

Bowmanville, ON

Jan 2021 – Aug 2021

- Supported software engineering projects in an **Agile** work environment.
- Used **JavaScript**, **HTML**, **CSS**, and **ReactJS** to develop the plant's wide dashboard's **Front-end**, **.NET** for the **Back-end**, **T-SQL** to create tables, views, queries, and stored procedures for the company's database.
- Created tools in **NodeJS** and **Python** to automate report generation process and to automatically fill documents from databases, saving 24 hours a quarter

RELATED PROJECTS

TradesPool (In Progress and to be deployed on **App/Play** store):

- **Full Stack** application built with **Expo**, **React Native** and **Firebase** on **iOS & Android**
- Stores and queries user information in **Cloud Firestore No-SQL** database
- Supports user **authentication**, SMS and email verification, session management and analytics
- Integrated push notification and in app messaging with **Firebase Cloud Messaging**
- Employed **Google Maps API** to show live users locations on the map

Face & Name Detector

<https://ali-adam7.github.io/facedetect/> | [Repository](#)

- **React** web application that detects faces in a picture and predicts the person's name using the **Clarifi API**

Apriori

<https://github.com/Ali-Adam7/Apriori>

- Efficient and very optimized implementation of the **Apriori Data Mining** algorithm to generate frequent item sets and association rules. Can process a 25 GB dataset in less than 2 minutes by utilizing **multi-processing** and **multi-threading**

Fake News Classifier

<https://github.com/Ali-Adam7/FakeNewsClassifier>

- Naïve Bayes **Machine learning** model to classify fake and real news articles. Data is vectorized with **TF-IDF** the model is deployed in a **Flask** application with a user interface

IPChangeNotify

<https://github.com/Ali-Adam7/IPChangeNotify>

- **NodeJS** application that detects a change in the external IP address and notifies via email with the new IP with **NodeMailer**