Alexander Odorico

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EDUCATION

York University
 Sept. 2021 - Apr. 2025

B.Sc., Hons. Computer Science
 Toronto, On

GPA: 3.8/4.0

Relevant Course Work: Data Structures and Algorithms, Object-Oriented Programming,
Waterfall Development Cycle, Agile Development Cycle, DevSecOps, UI/UX Design,
Database Management Systems

PROJECTS

TTC Tracker | *React, Node.js, Express.js, MongoDB, Bootstrap, Axios, AWS*
- Built a complete and responsive web application as a **MERN** tech stack.
- Utilized Axios to collect a live feed of TTC vehicle locations from the CKAN Open Data **API**. Displays this info to the user with the **Google Maps API**.
- Leveraged **mongoDB** to store and retrieve user-created bus routes. The app features a **search index** on the database to implement an **auto-complete** feature.
- Hosted the application with an **EC2** (Elastic Compute Cloud) **Ubuntu** instance on **AWS**.

MyAniBot | *Node.js, Express.js, Redis*
- Developed a fully-featured Discord bot in **Node.js** with a user **search history** system.
- Made asynchronous **API** calls to access the MyAnimeList.net database.
- Implemented the **OAuth2.0** protocol using **Express.js** to fetch data from user lists.
- Cached user data and access tokens with **Redis**.

Sudoku Prime | *Java, Android, JUnit*
- Produced an **Android** application with a playable sudoku interface in a 4-person team.
- Helped the team by creating **JUnit** tests. Used **debugging** software to efficiently troubleshoot errors.
- Connected the app to an **API** to gather boards of different difficulty levels.
- Implemented a **back-tracking** algorithm for board solving with a visualization feature.

EXPERIENCE

SEO Strategist Intrapreneurship
 May 2023 – June 2023

VFC | CanAge
 Toronto, On
- Developed an **SEO strategy** for an assigned business as part of a 60-hour project.
- Used **MOZ** and **Google Analytics** tools on a weekly basis.
- Created a site prototype to demonstrate **Semantic SEO** by leveraging site metadata.

Tutor
 July 2022 – Sept. 2022

Pham Learning
 Toronto, On
- Tutored students grades 9-12 in science and mathematics.
- Assigned the responsibility of creating a **Python** beginner's course, teaching 5 students weekly.
- Employed different mediums to demonstrate basic coding concepts and sought feedback from the employer to improve students' experiences.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, JavaScript, HTML/CSS, Kotlin, SQL, Bash
Frameworks: React, Bootstrap, Node.js, Express.js, JUnit
Developer Tools: Git, Postman, Figma, LaTeX, Jupyter Notebook, MySQL, PostgreSQL, AWS Cloud Computing
Soft Skills: Team Work, Problem Solving, Creativity, Adaptability