Ali Adam

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SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C#, SQL, No-SQL
Frameworks & Technologies: React.JS, React Native, Node.JS, Express.js, Firebase, .NET, ASP.NET, Git, GitHub, TCP/IP, REST API, JSON, Docker.
Operating Systems: Linux, MacOS, Windows, iOS, Android.

EDUCATION

York University   **Sep. 2017 - Present**
Honors BSc, Computer Science   *Toronto, ON*
Courses: Computer Network and Protocols (A+), Operating Systems (A+), Software Design (A), Database Management Systems (A+). Machine Learning (A+), Big Data (A+), Design and Analysis of Algorithms (A+).

WORK EXPERIENCE

York University   **Jan. 2022 – May. 2023**
Teaching Assistant   *Toronto, ON*
- Teaching Assistant in labs for Computer Science courses for **100+** students
- Demonstrated expertise in programming languages such as **Java**, **Python**, **JavaScript**, assisting students in understanding syntax, **Data structures**, **Algorithms**, **Software design** and **object-oriented programming** concepts
- Offered code reviews and feedback to help students improve the efficiency and readability of their programs

Ontario Power Generation   **Jan. 2021 – Sep. 2021**
Software Developer Intern   *Bowmanville, ON*
- Worked on software engineering projects in a dynamic **Agile** work setting.
- Maintained and developed new features for a comprehensive internal application with **JavaScript**, **HTML**, and **CSS** for the front-end, **C# .NET** and **T-SQL** for the back-end.
- Innovated by creating **Python** tools that **automated** report generation processes and streamlined document population from databases, resulting in a time savings of **24** hours per quarter
- Worked on a user-friendly overtime approvals web application utilizing **ReactJS** and **NodeJS**, catering to supervisors and on-site workers, leading to time savings of **1** hour per week for section managers

PROJECT EXPERIENCE   GitHub

Mobile Application (In progress)
- Developing a robust and scalable mobile application using **React Native, Typescript** and **Firebase** resulting in a seamless user experience across both **iOS** and **Android** platforms.
- Employed **Firebase** authentication, ensuring secure user login, registration, email change, and password recovery.
- Integrated **Cloud Firestore** database for efficient data storage, retrieval, and real-time **synchronization** including a **chat feature** across multiple devices
- Used **Google Maps API** for live tracking of user's locations on the map

Apriori Algorithm
https://github.com/Ali-Adam7/Apriori
- A very fast and efficient implementation in **java** of the Apriori **Data mining** algorithm to discover frequent item sets, leveraging **multithreading** and other optimization techniques to improve performance.

Game Store Api
https://github.com/Ali-Adam7/GameStore
- Designed APIs with the **ASP.NET WebAPIs** framework that support CRUD operations with Async functionalities with **MongoDB** client to persist the data, and containerized the project using **Docker**