Faizan Naseer

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EDUCATION

University of Toronto
BSc Computer Science

Sep. 2021 – Apr. 2025
Toronto, ON

- Courses: Programming, Discrete Math, Calculus, Linear Algebra, Software Design, Numerical Algorithms for Computational Mathematics, Systems Programming, Data Structures & Algorithms, Theory of Computation
- Awards: UofT International Scholar Award, UofT Scholar Award, Dean's List Scholar

WORK EXPERIENCE

Silicon Fen Venture Fund
Project Manager

May. 2020 – Sep. 2021
Dubai, UAE

- Facilitated the development of youth-led startups by providing industry insights and mentor networking, as well as organizing entrepreneurial seminars and weekly advising sessions
- **Secured funding** from multiple schools to support student prototyping initiatives

ICC Academy
Research & Management Intern

Mar. 2018 – Apr. 2018
Dubai, UAE

- Conducted market research on competitor offerings and presented findings to employers, helping the company gain a competitive edge in terms of services provided
- Coordinated sport management operations, resulting in **greater productivity** and higher levels of **customer satisfaction**

PROJECTS

Content Management System
Aug. 2023 – Sep. 2023

- Developed a robust content management system with authorization features using json web tokens and MVC architecture principles, providing the ability to seamlessly carry out CRUD operations
- Created an engaging landing page to display created content in a protective, user-friendly manner, using **ReactJS** and **Tailwind CSS**
- Engineered a **RESTful API** with **Express and Node**, ensuring efficient communication between the client and server
- Deployed CMS on a ubuntu server using **AWS EC2** as well as stored data in **MongoDB Atlas**, to allow for increased scalability and data integrity

Timeline Generator Android App
Nov. 2022 – Dec. 2022

- Conceptualized and developed an Android app catering to student needs, enabling them to input taken and desired courses to generate a personalized degree timetable. Utilized **Android Studio**, **Java** and **Firebase** to create a seamless user experience between the front and backend.
- Implemented admin functionality allowing authorized users to manage course information, including addition, editing, and deletion of course details such as prerequisites
- Used an **agile** methodology (**scrum**) in a group of 4 with regular stand-up meetings, and weekly sprints, assisted by the utilization of **Git** and **Jira**.

Hotel Booking App
May. 2023 – Aug. 2023

- Orchestrated the creation of an iOS app using **React Native** and **GraphQL**, empowering users to log in and effortlessly search for hotels based on location and family-specific requirements.
- Leveraged **AWS Amplify** for streamlined backend functionality, ensuring a robust and scalable solution for hotel searching

Huffman Encoding
Nov. 2022 – Dec. 2022

- Engineered a Python program utilizing a lossless, greedy Huffman coding algorithm for efficient compression and decoding of user input. Integrated data structures like **heaps** and implemented **DFS** for optimal performance.

Toronto Covid Analysis
Mar. 2022 – Apr. 2022

- Collaborated in a team of three to conduct a comprehensive analysis of COVID-19 trends using **R**, involving tasks such as **data cleaning**, **visualization** through tables and graphs, and **hypothesis testing** via linear regression.
- Played a key role in hypothesis testing and drawing final conclusions, contributing significantly to the team's analytical insights.

SKILLS

- **Languages:** C, Python, Java, R, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS
- **Frameworks & Libraries:** ReactJS, ExpressJS, NodeJS, React Native, NumPy, TipTapJS, Framer Motion, Matplotlib
- **Tools:** AWS EC2, AWS Amplify, MongoDB, GraphQL, Jira, Git, GitHub, Figma, Android Studio, Postman