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EDUCATION

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## University of Toronto

Sep. 2021 – Apr. 2025

BSc Computer Science

Toronto, ON

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

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WORK EXPERIENCE

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## Silicon Fen Venture Fund

May. 2020 – Sep. 2021

Project Manager

Dubai, UAE

- Facilitated the development of **20 youth-led startups** by providing industry insights and mentor networking, as well as organizing entrepreneurial seminars and weekly advising sessions
- **Secured funding (\$10000)** from multiple schools to support student prototyping initiatives

## ICC Academy

Mar. 2018 – Apr. 2018

Research &amp; Management Intern

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 and **20% comparative revenue increase**
- Coordinated sport management operations, resulting **25% increase in class productivity** and higher levels of **customer satisfaction**

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PROJECTS

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Audio Intellect ([GitHub](#)/[Website](#))

Nov. 2023 – Present

- Created a dynamic web application, leveraging **Gladia.io** (speech transcription) & **GPT APIs**, that creates tailored meeting and lecture summarizations based on user preferences for when meetings/lectures are missed by a user
- Application utilizes recording & uploading features that ensures simplicity in transcription process, **reducing inefficiency** by **23%**, as well as the summarization of data is saved for future reference on a **MongoDB Atlas** Database
- Designed an intuitive frontend with **ReactJS** and **Tailwind CSS** for recordings management and summary displays
- Engineered a robust **RESTful API (Express and Node)** to ensure efficient communication between the client and server, facilitating seamless retrieval and deletion of recordings, as well as **increased security** with external API calls
- Managing the deployment of the **MERN** application on an **AWS EC2**-hosted Ubuntu server, emphasizing scalability and data integrity for optimal performance

Content Management System ([GitHub](#)/[Website](#))

Jun. 2023 – Jul. 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, as well as security
- Deployed CMS on a public server using **Vercel** as well as stored data in **MongoDB Atlas**, to allow for increased scalability and data integrity

Degree Design ([GitHub](#))

Nov. 2022 – Dec. 2022

- Conceptualized and developed an Android app catering to student needs (through the SDLC), by using inputted 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**.
- Implemented **JUnit** and **Mockito** testing methodologies to conduct thorough functionality tests, enabling the identification and resolution of bugs and issues

Hotel Ease ([GitHub](#))

Mar. 2023 – Apr. 2023

- Orchestrated the development of an iOS app using **React Native** and **GraphQL**, allowing users to log in and effortlessly search for hotels based on location and family-specific requirements, ensuing a **reduction in time wastage** by **20%**
- Leveraged **AWS Amplify** for streamlined backend functionality, ensuring a robust and scalable solution for hotel searching

System Monitoring Tool ([GitHub](#))

Feb. 2023 – Mar. 2022

- Developed a **C** script that monitors system memory & CPU usage by displaying running processes and graphical information on File Descriptor tables.
- Automated execution of script through using **Makefile** and **shell** scripting, **reducing compilation issues** by **100%**

Huffman Encoding ([GitHub](#))

Nov. 2022 – Dec. 2022

- Engineered a Python program utilizing a lossless, greedy Huffman coding algorithm for efficient compression and decoding of user input, via the integration of data structures such as **heaps** and algorithms such as **DFS** for optimal performance.

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SKILLS

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