
EDUCATION

University of Toronto**Sep. 2021 – Apr. 2025***BSc Computer Science**Toronto, ON*

- Courses: Programming, Linear Algebra, Software Design (**Java**), Numerical Algorithms for Computational Mathematics, Systems Programming (**C**), DSA (**C & Python**), Theory of Computation, Computer Organization, Machine Learning
- Awards: UofT International Scholar Award, UofT Scholar Award, Dean's List Scholar
- Certifications: Neural Networks & Deep Learning (DeepLearning.AI)

SKILLS

- **Languages:** C, Python, Java, R, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, Racket, Haskell, Prolog, PostgreSQL, Redis
- **Frameworks & Libraries:** ReactJS, ExpressJS, NodeJS, React Native, NextJS, NumPy, Socket.io, Scikit-Learn, Pandas, Langchain
- **Tools:** AWS (EC2, Amplify, S3), MongoDB, Docker, GraphQL, Jira, Git, Figma, Android Studio, Postman, MS Office, VS Code
- **Soft Skills:** Teamwork, Communication, Problem-solving, Attention to detail, Time Management, Creativity, Critical thinking

WORK EXPERIENCE

Python Instructor**Jun. 2024 – Present***Tutor**Toronto, CA*

- Conducted multiple virtual and in-person **Python programming** lessons to support first-year University of Toronto students in their introductory programming course, resulting in a **25% improvement** in examination and assignment performance

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

PROJECTS

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

- **Technologies:** ReactJS, Tailwind, LangChain.js, MongoDB, NodeJS, ExpressJS, Gladia.io, OpenAI, AWS S3 & EC2
- Created a dynamic web application that utilizes generative AI to create meeting and lecture summarizations & notes, as well as relevant follow-up information for students and employees alike, such as to-do lists for example
- Includes recording, uploading & categorization features for users to access their follow-up info instantly, **reducing inefficiency by 25%**

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

- **Technologies:** ReactJS, Tailwind, MongoDB, NodeJS, ExpressJS, TipTapJS, JWT, Vercel, Socket.io, MVC, REST API
- Developed a robust content management system with authorization features providing the ability to seamlessly carry out CRUD operations as well as work on content concurrently and collaboratively with other users
- Created an engaging landing page to display created content in a protective, user-friendly manner

Degree Design ([GitHub](#))

- **Technologies:** Android Studio, Java, Firebase, Git, Jira, JUnit, Mockito
- Conceptualized and developed, via the **SDLC**, an Android app catering to student needs, that allows users to generate personalized degree timetables based on courses completed and desirable courses for the future
- Implemented an authorization system that allows for students to access their timetables as well as admin functionality allowing higher ups to manage course information, including the 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**.
- Carried out functionality testing through the use of aforementioned libraries, enabling the identification and resolution of bugs and issues

Android Assist ([GitHub](#))

- **Technologies:** Android Studio, Kotlin, Figma, Jira, Git, Native Android APIs
- Collaborated in a team of 5 to develop a mobile app for immigrants and the elderly, simplifying access to essential mobile functions and popular apps via a customized directory with magnified icons
- Created wireframes & icon mock-ups with increased emphasis on simplification through the customer journey and utilized native APIs to create compact versions of settings, camera, photos and contact apps through collaborative work, whilst independently focusing on the Android setting features
- Implemented **agile** methodologies through organizing sprints, story points, and regular standups, ensuring efficient team collaboration

System Monitoring Tool ([GitHub](#))

- **Technologies:** C, Makefile Shell, Linux
- Developed a 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%**