

Randy Lee

Toronto, ON

WORK EXPERIENCE

Software Developer

Jul 2022 – Present

Bank of America, Toronto, ON

- Developed a data pipeline for short interest data ingestion using **Python** and **SQL**. Currently processing 3000+ securities per day for clients globally.
- Implemented **Impala**, **AMPS** message queue and **Python** to create a system that efficiently sends data to teams within the bank for analysis.
- Led release procedures as a change manager, ensuring smooth releases that meet stakeholder requirements, follow compliance standards and meet testing standards.
- Collaborated with senior engineers in architectural design meetings to enhance the application's design.

Teaching Assistant

Sep 2021 – Apr 2022

Queen's University, Kingston, ON

- Designed lesson plans and taught weekly tutorials for 30+ students in MREN 178: Data Structures and Algorithms.
- Assisted 100+ students in laboratory sessions for ELEC 221: Electric Circuits.

Backend Development Intern

Apr 2020 – Aug 2021

IBM, Markham, ON

- Applied knowledge of **Linux**, **Bash Scripting** and **Java** to provide L3 support for the Profiles, Config Actions and Sessions components in IBM's WebSphere Application Server, resolving 50+ support ticket issues with a 100% success rate.
- Utilized **Java** and **Python** to solve support issues and develop features for the Session and Observability components in IBM's Open Liberty.

PROJECTS

Pathus

2023

Class Marketplace Application with Social Elements

- Implemented **Next.js**, **Tailwind**, **JavaScript**, and **OpenStreetMap** to develop the front-end of a **Progressive Web Application**, providing functionality for web, iOS and Android devices.
- Designed the front-end of the application using **Figma**, **UX** principals, and user testing.
- Researched similar applications, interviewed potential users and conducted **SEO** analysis to identify a niche and create user features.

Scobaby

2022

Kombucha eCommerce Website: www.thescobaby.com

- Utilized **React**, **Google Cloud Platform** and **Figma** to create a website that allows users to place kombucha orders, processing \$1000+ in revenue.
- Designed and implemented a backend inventory management system using **JavaScript**, **Gmail API**, **Amazon Web Services** and **MySQL**.

EDUCATION

Bachelor of Applied Science

Class of 2022

Computer Engineering, Artificial Intelligence Stream

Queen's University

SKILLS & AWARDS

Skills: Python, Next.js, JavaScript, Tailwind, React, Java, Jira, SQL, NoSQL, Arduino, SolidWorks

Certifications: Certificate in Business: Queen's University (2022), Deep Learning Specialization: Coursera (2020)

Awards: Dean's List (2021), Marketing Excellence Award (2019), The Excellence Scholarship (2017)