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Education

Toronto, Canada	University of Toronto	Sep 2018 - May 2024

- B.S.C. in Statistics: Data Science and Machine Learning Specialist. sGPA: 3.86/4.
- Clubs: Hack the Valley, Developer Student Club, PRISM Research Program.

Employment

Software Engineer Intern	IBM	May 2021 – Present

- Built new license scanning tool in Node responsible for scanning 40+ microservices and cut run-times by 800% compared to the previous tool.
- Built new accessibility scanning tool in Node responsible for scanning 120+ webpages used by the development team to detect accessibility issues.
- Optimized Docker build scripts which reduced microservice image sizes by up to 20%.
- Automated on-push microservice build and test life-cycles using Travis CI jobs.

Software Engineer Intern	OpenText	Jan 2020 – Aug 2020

- Picked up a new front-end framework, JSP, and implemented various JSP components and RESTful services.
- Addressed code deprecation by shifting 15% of the outdated JSP codebase to the new JSTL syntax.
- Implemented new SQL queries that decreased webpage load times by leveraging database sorting, filtering and pagination.

Software Engineer Contractor	LearningBee	May 2019 – Aug 2019

- Migrated primitive Wix website to React; designed and developed new components and APIs from ground up.
- Redesigned the contact page using EmailJS which allowed for better customer contact and serviceability.
- Introduced Agile methodology like sprint planning and weekly playbacks to management.

STEM Tutor		Dec 2018 – Apr 2019

- Instructed biweekly computer science and math courses that helped student jump 4 grades in material.

Projects

- **Decipher**(Flask/ReactJS): Built back-end service in Flask for speech-to-speech translation app that supports 120+ languages; implemented RESTful APIs using Google's natural language processing and translation API.
- **Manga-To-Go**(JavaScript): Built microservice using CheerioJS that asynchronously scrapes comics and meta-data off of the MangaFox website; capable of cloning website's entire database of comics.
- **Bubble**(HTML/ExpressJS): Built front-end of web-app that generates a clickable word cloud from a stream of trending news data off of Reddit. Data processed with Google Cloud API.

Awards and Certificates

- **UofT Dean's List:** 3.5+ GPA for fall, winter and summer semesters.
- **Microsoft Professional Program Certificate in AI:** Learned and implemented machine learning and data manipulation techniques using Python, Microsoft Cognitive toolkit, and Azure APIs.

Languages and Technologies

- **Languages:** Python, JavaScript, HTML/CSS, Java, SQL, Bash
- **Frameworks:** React, Node, Express, Axios, Flask
- **Tools:** Git, Travis CI, Docker, Linux, MySQL, Jira