

Darian Zhang

3A Honours Computational Mathematics Joint Statistics

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Work Experience

SS&C Technologies Inc. - Full Stack Developer

May - Aug. 2022

- Automated migration process by writing Python scripts that perform **database migration** from **PostgreSQL** to **YugabyteDB** which receives a **JSON** file input
- Load tested Yugabyte databases using Python scripts to create sample CSV data files and insert them to determine optimal performance using the **Ray** Python package for parallelism
- Built a **Java Spring Application** which connects to and performs multiple request testing on databases using **multithreading**

Ontario Ministry of Transportation - Junior Technical Analyst

May - Aug. 2021

- Resolved **over 50** incidents experienced by Ministry of Transportation employees regarding the Registration and Licensing System of Ontario (RLSO) through the eSMT ticketing system
- Communicated effectively with employees concerning system issues to solve incidents
- Replicated RLSO issues in UAT environment, used Microsoft **Azure Application Insights** to investigate incidents, and received Azure training via Microsoft Learn

Relevant Projects/Extracurricular Activities

Indeed Web Scraper (<https://github.com/darianzhang0/JobWebScraper>)

Dec. 2021

- Developed and built an automated Web Scraper using the **BeautifulSoup** Python library to obtain daily job postings relating to student developer positions from Indeed.ca
- Algorithmically ranks jobs based on user-provided keywords and utilizes a local **SQL** database to store job information

Unity Western Arcade Game (<https://dawvoint.itch.io/shootout-hunter>)

Aug. 2021

- Designed and coded a western arcade game using **Unity Engine** and **C#**
- Implemented a random character spawner, score, player movement tracking, and multiple game screens
- Attained **over 100 views** and **75 plays** on itch.io

Personal Website (<https://darianzhang0.github.io/>)

Jan. 2021

- Developed a personal website using **HTML**, **CSS** and **JavaScript**
- Style features enhance the user experience on the website, including fading backgrounds, transparent text, and a navigation bar

Board Games Club - President and Founder

Sept. 2019 - June 2020

- Organized events & tournaments for the 12 members, in addition to resolving group conflicts

Technical Skills

Languages: Python, C++, C, C#, Java, R, SQL, HTML, CSS, Javascript & Racket

Tools: Linux, Vim, PostgreSQL, YugabyteDB, Visual Studio Code, IntelliJ, Git, Github, Unity, Bash, LaTeX, Azure, Ray, BeautifulSoup, JIRA

Interests: Playing board games, watching old movies, and reading comics