

My aim is to utilise my expertise in software development and data science to deliver innovative solutions that drive business success. I am passionate about using technology to solve real-world problems and I am eager to bring my unique perspective and problem-solving skills to a team that values collaboration and continuous improvement.

Experience

JANUARY 2021 - AUGUST 2021 (Toronto, ON)

Jonah Group – Software Developer

- Implemented data warehouse techniques using SQL and Azure via REST APIs provided by the client in the healthcare insurance industry.
- Modified existing Azure Data Factory API calls to use python, saving the client over \$10k a month; and increased overall processing speed, from taking days to just under 6 hours..
- Implemented Power BI dashboards that let the client make key decisions over doctor coverage.

JUNE 2020 - AUGUST 2020 (North York, ON)

Ethoca (acquired by Mastercard) – Software Developer

- Implemented dashboards analytics using Power BI linked with Microsoft Azure Storage that was used by multiple teams within Ethoca to aggregate Jenkins build result data.
- Wrote a report that investigated other avenues of dashboarding like Chart.js or Tableau, in which relevant stakeholders used it to determine Power BI to be the best tool.

JANUARY 2019 - MAY 2019 (Waterloo, ON)

MapleSoft – Quality Assurance Analyst

- Performed manual, functional and regression testing on Maple's symbolic maths products via JIRA
- Designed and Implemented a Powershell script that automatically installed new software builds everyday, which improved efficiency by allowing colleagues to work on other tasks.
- Recorded the most number of bugs and issues in the product stack within the QA team.

SEPTEMBER 2019 - APRIL 2020 (Waterloo, ON)

University of Waterloo – Instructional Support Assistant

- Helped students learn Introduction to Computer Programming via lab and tutorial sessions
- Maintained course website (<https://www.student.cs.uwaterloo.ca/~cs105/>) with HTML and CSS

Skills

Programming languages: SQL, R, Python, NumPy, C, C++, Javascript, Node.js

Software Tools: Rstudio, Visual Studio Code, Jenkins, Power BI, Azure, JIRA, Git, Office Suite

Other:

Deep understanding of Computer hardware; Native fluency in English and Chinese.

Education

Bachelor of Mathematics Honours Statistics Co-op (Distinction), Computing Minor

University of Waterloo, ON (2017 - 2022)

Graduated with a major average of 3.9 GPA (85.1%)