Jesse Ren
Engineering Student

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✚ Employment

Economical Insurance
Access Analyst   Sept. 2019 to Dec. 2019

• Developed SQL scripts to delete, retrieve and change broker data
• Saved my team over 100 hours of work by writing a VBA script to automatically create audit reports in Excel
• Regularly participated and contributed to daily team standups, allowing for better team communication and project understanding

University of Toronto Scarborough
Engineering Assistant (Facilities)   Jan. 2019 to Apr. 2019

• Developed VBA and Python scripts to format, clean and calculate heating and cooling loads from university HVAC data files
• Designed an accessible user interface that allows selection of individual heating/cooling loads within specific time ranges
• Created a comprehensive data visualization tool using Python displaying HVAC data in Time Series
• Contributed to the creation of a proposal to reduce the University's greenhouse gas emissions by modelling campus energy loads

✚ Projects

Personal Website   Jan. 2020 to Mar. 2020

• Developed a flexible and mobile-friendly website using JavaScript
• Implemented several CSS and JavaScript web animations
• Utilized HTML and CSS to create an aesthetically pleasing user experience

2-D Shooter   Mar. 2018 to June 2018

• Developed a game including features such as projectile motion, hit detection and enemy movement patterns using Java
• Implemented several visual, audio and user interactive features
• Coordinated and divided up tasks with team in order to achieve maximum efficiency

✚ Skills

PROGRAMMING
• Java
• Python
• SQL
• JavaScript
• CSS
• HTML
• VBA
• MatLAB

TOOLS
• Angular
• React
• Git
• GitHub
• Jupyter Notebook
• IntelliJ IDEA

✚ Education

UNIVERSITY OF WATERLOO
Candidate for B.ASc Environmental Engineering
Sept. 2018 to Apr. 2023

Relevant Coursework:

• Computational Methods

• Linear Algebra

• Differential Equations and Balance Laws