

# Jesse Ren

## Engineering Student

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## Employment

### TritonWear

#### Software Engineering

May 2020 to Aug. 2020

- Setup analytics environment providing crucial insights regarding user base and app features while allowing for smooth integrations of future analytics
- Created end-to-end test scripts that thoroughly tested app functionality and ensured new features were polished for release
- Collaborated with team to complete tasks efficiently while working in a remote and agile environment

### Economical Insurance

#### Access Analyst

Sept. 2019 to Dec. 2019

- Developed SQL scripts to delete, retrieve and change broker data
- 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

- Generated 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

## Projects

### Journally

Sept. 2020 to Current

- Created a journalling app for iOS and Android in React Native
- Built a fully-functional text editor using React components

### Personal Website

Jan. 2020 to Mar. 2020

- Designed 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
- TypeScript
- CSS
- HTML
- VBA
- MatLAB

### TOOLS

- Angular
- React
- jQuery
- Git
- Node.js
- Xcode
- Selenium
- Firebase
- 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