

# Jesse Ren

## Engineering Student

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## Employment

### Polar

#### Software Developer

Jan. 2021 to Apr. 2021

- Improved user experience of the company's ad management platform by modifying and creating new React components
- Updated Django models and views to improve page performance by optimizing relational database queries
- Completed all Jira tickets assigned each sprint in a timely manner while working in a remote and agile environment

### TritonWear

#### Software Engineering

May 2020 to Aug. 2020

- Setup an 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

### Economical Insurance

#### Access Analyst

Sept. 2019 to Dec. 2019

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

### University of Toronto Scarborough

#### Engineering Assistant (Facilities)

Jan. 2019 to Apr. 2019

- Built a comprehensive data visualization tool using Python that displayed HVAC data in Time Series

## Projects

### Valineups

Apr. 2021 to Current

- Designed a web app to assist Valorant players in landing their abilities at the desired location
- Setup a Django REST API to return ability lineup videos
- Used React to create a responsive UI allowing users to filter for specific lineups

### Journally

Sept. 2020 to Oct. 2020

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

### 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

## Skills

### PROGRAMMING

- Python
- Java
- SQL
- JavaScript
- TypeScript
- CSS
- HTML
- VBA
- MatLAB

### TOOLS/Frameworks

- Django
- React
- Git
- MySQL
- SequelPro
- Jira
- jQuery
- Node.js
- VS Code
- Selenium
- Firebase

## Education

### UNIVERSITY OF WATERLOO

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

#### Relevant Coursework:

- Computational Methods
- Linear Algebra