LUCY YU

4A Honours BCS and BBA

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GitHub: github.com/lusee88
Website: lusee88.github.io/web/

Skills

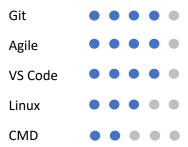
Programming Languages

Python	\bullet \bullet \bullet	
C++	• • • •	
JavaScript	• • • •	
Unix	• • • •	
PSQL	• • • •	

Programming Frameworks

Django				
Angular	•	•	•	
React				

Development Tools



Extracurriculars

Coaching

Basketball Ultimate Muay Thai

UW Energy Network (Hackathon)

Foodie

Skateboarding

Work Experience

Full Stack Developer | Local Line

- Increased customer satisfaction by 40% by restructuring checkout experience with Python, Angular, and PSQL, and Django framework
- Improved efficiency of downloading large selections of data by 300% of its original time and removed server hang through optimizing code
- Remodeled the design of the web application to implement a Model-View-Controller design pattern

Cybersecurity Analyst | Toronto-Dominion Bank

Jan 2019-Apr 2019

Jan 2020-Apr 2020

- Constructed Python scripts to automate data collection of Web Certificate information, reducing labour time by 3x the benchmark
- Wrote VBA scripts to generate monthly KPI reports to monitor improvements in certificate management
- Facilitated meetings with other IT teams to ensure business operations run efficiently and are continuously improving

Web Developer | CVT

May 2018-Aug 2018

- Developed and designed an informative website from scratch utilizing Bootstrap 4, HTML, and CSS
- Integrated an API of an open source maps application and used PHP to complete a working contact form
- Designed the website layout with an understanding of industry requirements in Metrology

Projects

Personal Website

- Developed from scratch using **React** with typing animation written in **JS** Cops and Robbers (*In Progress*)
 - Developing a web application to play the cops and robbers game online
 - Utilized **React, Yarn, Gulp,** and **Bootstrap** for the front-end for users to see team members, send messages, and track game progress
 - Setting up a **Django** framework to store user metadata to connect users to the same game

Biquadris (Coursework)

- Programmed a local two-player Tetris game in C++ using a Model-View-Controller design pattern and complex data structures
- Adhered to the four Object-Oriented Programming principles and followed a strict UML diagram

Helios

- A POC app to help first responders survey disaster zones and optimize decision-making through image detection with **Python** and **Vue.js**
- Created a **REST API** using **Express.js** to gather data and display location of emergencies based on priority for responders

Education

University of Waterloo / Wilfrid Laurier University

(Expected) 2017-2022

Candidate for Double Degree Bachelor of Computer Science and Bachelor of Business Administration