

LUCY YU

4A Honours BCS and BBA

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GitHub: github.com/lusee88

Website: lusee88.github.io/web/

Skills

Programming Languages

Python ● ● ● ● ●

C++ ● ● ● ● ●

JavaScript ● ● ● ● ●

Unix ● ● ● ● ●

PSQL ● ● ● ● ●

Programming Frameworks

Django ● ● ● ● ●

Angular ● ● ● ● ●

React ● ● ● ● ●

Development Tools

Git ● ● ● ● ●

Agile ● ● ● ● ●

VS Code ● ● ● ● ●

Linux ● ● ● ● ●

CMD ● ● ● ● ●

Extracurriculars

Basketball

Ultimate

Muay Thai

UW Energy Network (Hackathon)

Coaching

Foodie

Skateboarding

Work Experience

Full Stack Developer | Local Line

Jan 2020-Apr 2020

- 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

- 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