Lindsey Jin

UWaterloo Software Engineering Class of 2022

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SKILLS

Languages: JavaScript, Python, C, C++, Java, HTML/CSS, SQL, Scala
Frameworks & Tools: Vue.js, AngularJS, Node.js, Flask, Git, Arduino

WORK EXPERIENCE

Full Stack Development Intern | Genesys   Jan 2019 - Apr 2019

- Migrated legacy back-end REST API for fetching business data from **PHP** to **Node.js**. Integrated **Redis** for caching common queries, leading to performance gains of up to **80%**
- Wrote 1000+ lines of unit tests with **99% code coverage** using **Chai, Mocha,** and **Sinon**
- Worked on an interactive graphing prototype for building applications using **AngularJS** and mxgraph**,** introducing features such as a call history tracer and different editing modes
- Created UI with **Vue.js** to demo microservice project, winning 1st place in global company hackathon
- Implemented read-only viewing and validation checking for previous builds of applications

Catastrophe Modeling Application Developer | Validus Research Inc   May 2018 - Aug 2018

- Developed internal website using **Flask** and **Vue.js** to query database currency records
- Wrote **Flask** application to populate Excel sheets, automating **~70%** of the direct insurance process
- Built web app to monitor status of ongoing automated tasks, in use by the direct insurance analyst team
- Implemented and refactored unit tests in **Python** with over **90% code coverage**
- Set up SSL certificates for internal web servers using IIS and Apache
- Fixed bugs and implemented various UI improvements to new and pre-existing applications

PROJECTS

Passport Plus   Oct 2018

- Developed web app with **Vue.js** and **Flask** that scrapes information about exchange schools off of Waterloo Passport and displays it in a minimalist, user-friendly interface

Lift | Winner at Hack the North 2018   Sept 2018

- Worked on a **Fitbit** app that tracks a user's workout progress by counting repetitions using the watch's built in accelerometer
- Created **Vue.js** dashboard to visualize biometrics in real time during a workout

Bash the Ballot | Best Use of ConsenSys API at Hack the Valley 2   Feb 2018

- Developed an elections web app with **React** that implements uPort, which uses **smart contracts** to verify unique voter identities

FruityFun   Nov 2017

- Designed and implemented a match three game (similar to Candy Crush) in **C** on an **Arduino UNO**, with auto-shuffle, randomize, and move-detecting features

EDUCATION

University of Waterloo | Candidate for Bachelor of Software Engineering   Sept 2017 - Apr 2022

- Cumulative GPA: 3.83