





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

Genesys | Full Stack Development Intern

Jan 2019 - Apr 2019

- Added capabilities to an interactive graphing prototype for building voice applications, using **AngularJS** and mxgraph, introducing new features such as a call history tracer and different editing modes
- 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 unit tests to validate error handling with **99% code coverage**, using **Chai**, **Mocha**, and **Sinon**
- Created UI to demo sentiment analysis project, winning **1st place** in global company hackathon
- Implemented read-only viewing and validation checking for older versions of applications

Validus Research Inc | Catastrophe Modeling Application Developer

May 2018 - Aug 2018

- Developed full-stack 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**
- 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 from Waterloo Passport and displays it in a table with search and filter options

Lift | Winner at Hack the North 2018

Sep 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

Sep 2017 - Apr 2022

Cumulative GPA: 3.83