





Lindsey Jin

3A Software Engineering Student

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WORK EXPERIENCE

Ritual | Backend Software Engineer

Sep 2019 - present

- Consolidated all referral landing pages into one page by re-implementing **MVC** components in **Java**, reducing technical debt and increasing sign-up rate by **7%**
- Conducted **A/B testing** on over **50,000 users** to analyze user referral rate by varying share screen appearance
- Worked closely with stakeholders to continuously inform them of new developments, holding launch reviews and providing clear documentation of features

Genesys | Full Stack Developer

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, improving runtime by up to **80%**
- Added features to an interactive graphing prototype for building voice applications using **AngularJS**, introducing a call history tracer and different editing modes
- Created UI dashboard with **Vue.js** to demonstrate sentiment analysis microservice, winning **1st place** out of 9 teams in company-wide hackathon
- Wrote unit tests to validate error handling with **99% code coverage** using **Chai**, **Mocha**, and **Sinon**
- Implemented read-only viewing and error checking for older builds of applications

Validus | Catastrophe Modeling Application Developer

May 2018 - Aug 2018

- Developed full-stack internal website using **Flask** and **Vue.js** with CRUD operations to access **SQL Server** database currency records
- Automated **~70%** of the direct insurance process by writing a **Flask** application to populate Excel sheets
- Built companion web app for analysts to track the status of ongoing automated tasks
- Implemented and refactored unit tests in **Python** with over **90% code coverage**

PROJECTS

Binairo Solver

Sep 2019

- Created web app using **React** and **Flask** that solves Binairo logic puzzles using an optimized backtracking algorithm

Passport Plus

Oct 2018

- Developed web crawler with **Flask** for Waterloo Passport's exchange platform
- Displayed data in web interface with search/filter options, made with **Vue.js**

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, using **smart contracts** to verify unique voter identities

EDUCATION

University of Waterloo

Sep 2017 - Apr 2022

Bachelor of Software Engineering

Cumulative GPA: 3.83

SKILLS

Languages

C++, Java, JavaScript, Python, HTML/CSS, SQL

Frameworks & Tools

Vue.js, AngularJS, Node.js, React, Git, Redis, Flask

AWARDS

Genesys Innovation
World Cup Winner, 2019

Winner at Hack the North
2018

Best Use of ConsenSys
API at Hack the Valley 2

Dean's Honours List 2017,
2018

INTERESTS

- Coffee
- Board Games
- Fantasy Novels
- Birds