

## Skills

**Languages:** Javascript, Python, C++, PHP, C, SQL, HTML, CSS, Ruby (basic), Swift (basic)

**Tools and Frameworks:** React, Redux, Node, MongoDB, AngularJS, AWS, Git, Redis, Kafka, SocketIO

## Experience

**Wayfair** | Software Engineering Co-op - Boston Jan 2020 - March 2020

- Built gift card invoicing service, allowing for deprecation of legacy system bottlenecking multiple engineering teams, additionally saving up to 8 hours of engineering and accounting workload a month
- Created features for internal tools used by various teams saving ~2 hours/day of ops work for my team
- Took on ops role during sprints, resolving customer facing issues and investigating/squashing bugs

**RiverPay** | Software Engineering Co-op - SF Bay Area May 2019 - Aug 2019

- Implemented signature based auth service from scratch, securing data of 2000+ merchants
- Migrated Redis message service to AWS SQS with AWS Lambda, removing need for polling with cron
- Created merchant-facing payment API wrapper utilizing serverless microservices and AWS Lambda
- Built WordPress and Magento plugins enabling easy integration of RiverPay payment gateways

**Bonfire Interactive** | Software Engineering Co-op - Kitchener Sept 2018 - Dec 2018

- Developed and maintained proactive issue detection tool in Python, reducing client support load ~25%
- Wrote crucial parts of 1st feature built on React and Node.js, kicking off tech stack modernization
- Resolved multiple security issues in core app, including XSS vulnerabilities and leaking data

**University of Waterloo** | Computing Assistant - Waterloo Jan 2018 - Apr 2018

- Developed templates to bootstrap web projects allowing quick creation of new internal tools

## Projects

**UW Blueprint** | uwblueprint.org Sept 2019 - Dec 2019

- Worked with local non-profit Social Development Centre of Waterloo to build interactive flowcharts for easy access to information and social services using Typescript and Ruby on Rails

**EngHack 2019** | enghack.com Jan 2019 - June 2019

- Built website for MLH hackathon that received 600+ unique applications and 200+ mailing list signups

**SmartEQ** | github.com/lee-ma/SmartEQ Jan 2019

- Winner of Sunlife Best Healthy Living Hack and TD Best Green Hack at QHacks 2019
- Utilized Azure Cognitive Science APIs with Flask, React and SocketIO to analyze user emotions

## Education

**University of Waterloo** Sept 2017 - May 2022

- BAsC in Computer Engineering