Lee Ma

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Skills

Languages: Javascript, Python, C++, PHP, Java, C, SQL, VHDL, Swift

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

Education

University of Waterloo   Sept 2017 - May 2022

- BASc in Computer Engineering

Experience

Amazon (AWS) | SDE Intern - Remote   Sept 2020 - Dec 2020

- Designed and implemented brand new customer-facing UI for AWS Marketplace to streamline workflow for sellers publishing products into catalog
- Launched UI to private beta at end of internship, deprecating manual self-service publishing workflow and enabling the transition to new systems that are 175% faster than previous systems
- Created detailed design document, development guide, workflow diagrams, and ops runbook for UI ensuring knowledge transfer for new and existing team members to build and maintain project

Wayfair | Software Engineering Co-op - Boston   Jan 2020 - Mar 2020

- Built gift card invoicing service, allowing for full 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

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

- Implemented signature based auth service from scratch, securing data of 2000+ merchants
- Created merchant-facing payment API wrapper utilizing serverless microservices with AWS Lambda

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 new tech stack, beginning transition away from legacy code
- 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

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

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

NeuralNotes | github.com/lee-ma/neural-notes   Feb 2021

- 1st place overall out of 130+ teams and winner of Best Use of Google Cloud at CalgaryHacks 2021