Lee Ma

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Skills

- Javascript, Python, C++, PHP, SQL, HTML, CSS
- React, Redux, Node, Azure, MongoDB, MySQL, AngularJS, Flask, Numpy, Scikit-learn, Pandas

Experience

RiverPay   Software Engineering Co-op - SF Bay Area   May 2019 - Present

- Built WordPress extension allowing seamless integration of payment gateways into new and existing e-commerce stores with full support for transactions, refunds and metrics
- Developed software to take in ESCPOS binary to re-build into images and parse into text data for analysis using PHP, ImageMagick and Tesseract OCR

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

- Built and maintained issue detection service in Python reducing client support load by **~25%**
- Cut internal tool load time by **~70%** by refactoring to asynchronous fetching from Zendesk API
- Created Node API resources following factory design pattern with complete unit test coverage
- Built first production feature on React and Node, leading migration away from legacy stack

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   https://www.enghack.com   Jan 2019 - June 2019

- Sole developer of website for MLH hackathon that received **600+** unique applications
- Built tool to collect emails for mailing list used **200+** times by website visitors

Movie Review Classifier   https://github.com/lee-ma/movie-review-classifier   May 2019

- Trained model using Logistic Regression with Stochastic Gradient Descent with scikit-learn and feature vectorizing with Numpy, achieving sentiment classification with **~95% accuracy**
- Embedded model into Flask webapp with user feedback to continually improve model accuracy

SmartEQ   https://github.com/lee-ma/SmartEQ   Jan 2019

- Winner of **Sunlife Best Healthy Living Hack** and **TD Best Green Hack** at QHacks 2019
- Utilized Microsoft Azure Cognitive Science APIs and webcamera for emotion analysis, with SocketIO for sending data back and forth between React client and Flask API

Education

University of Waterloo   Sept 2017 - May 2022 (Expected)

- BASc in Computer Engineering - 80% Average