Jamie Lau

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Skills

Languages	JavaScript, TypeScript, Python, C, C++, Java
Tools	Vagrant, Travis CI, Jira, ClickUp, Bamboo, Selenium
Technologies	Lambda, S3, React, Tailwind CSS, Express, Spring, MongoDB

Experience

Georgian Partners
Toronto, Canada
FULL STACK ENGINEER INTERN
May 2020 - Aug 2020

- Developed an internal website to visualize machine learning metrics using TypeScript, React, and Tailwind CSS, resulting in the team being able to easily QA and understand the machine learning model.
- Architected a serverless API on AWS Lambda that was developed with Python to serve requested data stored on S3 to the website.
- Implemented a web scraping script to gather data for a machine learning model, which resulted in a 1.8% improvement in the model.

CI Investments Inc.
Toronto, Canada
PROGRAMMER ANALYST
Sep 2019 - Dec 2019

- Developed a web application using Java and XML which served hundreds of clients with customizable financial reports.
- Created an API which rendered client financial charts using JavaScript and D3.js.
- Improved front-end code quality by optimizing and refactoring 15000+ lines of code.

AGF Management Ltd.
Toronto, Canada
JUNIOR WEB DEVELOPER
Jan 2019 - Apr 2019

- Created an HTTP message sender using Java and Spring which allowed internal web applications to securely communicate.
- Utilized Maven to automate dependency management and builds, which saved developers time in performing these tasks manually.

Exact Imaging
Toronto, Canada
SOFTWARE DEVELOPER
May 2018 - Aug 2018

- Developed an end-to-end testing framework using Python and which saved the company 20 hours a week of manual testing.
- Implemented an image recognition algorithm using OpenCV to greatly improve image recognition accuracy.

Projects

Watch Together
JAVASCRIPT • REACT • EXPRESS | GITHUB | DEMO
Apr 2020

- Developed a video sharing application, where users can watch Youtube videos with friends in sync using JavaScript and React.
- Implemented the backend using Express and Socket.io to synchronize user actions in real time.

Sorting Visualizer
TYPESCRIPT • REACT | GITHUB | DEMO
Feb 2020

- Developed a web application using TypeScript and React to visualize various sorting algorithms.
- Implemented and visualized three sorting algorithms: Quick Sort, Insertion Sort, and Bubble Sort.

Education

University of Waterloo
Waterloo, Canada
CANDIDATE FOR HONOURS BACHELOR OF MATHEMATICS CO-OP
(Expected) Sep 2017 - Apr 2022

- Double Major in Statistics and Computational Mathematics