Tyler Pinto

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Software Engineering, 95%

SKILLS

Languages: Java, C++, JavaScript/TypeScript, SQL, Python, C#, Kotlin, Swift, Go
Frameworks/Tools: Spring, React, Vue.js, Express, Node.js, MySQL, MongoDB, GraphQL, Git, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

Full Stack Developer | LCBO Next   Waterloo, ON | Sep 2020 – Dec 2020

- Building portal used by **400+** agency stores to search for products, view their print history, and print dynamically created bilingual product labels using **Typescript** and **React**.
- Creating APIs to track pricing updates and verify **Azure** authentication with **Node.js**, **Express**, and **PostgreSQL**
- Performing integration testing using scripts, Kubernetes, and Kong to incorporate Skip the Dishes' delivery platform.

Software Engineering Intern | Veeva Systems   Toronto, ON | Jan 2020 – Apr 2020

- Implemented async job thread which validates an object's dependencies, reducing UI latency by **7.5s**.
- Added validation logic to an import endpoint that stores results to a downloadable attachment using **Java**, decreasing the number of components with errors being deployed by **87%**.
- Made notification and configuration report templates via scripts in company-specific **metadata language**.
- Constructed frontend logic and components using **JS** and **React** to enhance data transferred to **RESTful APIs**.

Software Engineering Intern | PointClickCare   Toronto, ON | May 2019 – Aug 2019

- Implemented a scalable data model for the IAM microservice used by over **100** hospitals using **Java** and **Spring**.
- Developed over **20 RESTful API** endpoints for the admin management of users, including pagination, searching, password encryption, email validation, and the management of users' apps and accessing entities.
- Designed client-side portal using **Vue.js** and **Bootstrap** to enable state management and connect developed APIs.
- Created a **Chrome Extension** that parses a patient's profile using **jQuery** in **<0.1s** and fetches their medical records.
- Built workflow using **Kubernetes**, **Argo**, and **Linux** to automate the onboarding process for new customers.

Research Assistant | Sports Applications of Machine Learning Lab   Waterloo, ON | Jan 2019 – Present

- Collaborated with three team members to prepare a paper accepted at California's Computer Vision and Pattern Recognition 2019 Expo (arxiv.org/abs/1903.06528).
- Compiled dataset for **TensorFlow** model to provide pose estimation and event detection for golf swings.
- Integrating deep learning model onto mobile app using **Swift** and **XCode**.

RELEVANT PROJECTS

Guardian- IoT Firefighter Helmet | 2019 Hack the North Winner, Best use of Google Cloud Platform 🏆

- Engineered a helmet that retrieves external data via sensors and uses **NodeMCU** to upload to a **Firebase** database.
- Connected sensors to the front-end using **Google Cloud Platform** with a latency under a second**.**
- Applied **Vue.js** and **ApexCharts.js** to dynamically present information with real-time graphs on a web dashboard.

FireGuard- IoT Forest Fire Detection System | 2020 Queens Hacks Winner 🏆

- Performed **time-series forecasting** on data from **IoT** beacons capable of detecting soil moisture, temperature, humidity, and air quality to determine forest fire risk and predict direction of forest fire spread.

EDUCATION

Candidate for Bachelor of Software Engineering   Sept 2018 – Present
Joint Major in Combinatorics & Optimization, Minor in Artificial Intelligence   **3.98 (95%)** GPA
University of Waterloo, Dean's List – Ranked 3rd in Program
Relevant Courses: Algorithms, Software Engineering Principles, Databases, Graph Theory, Sequential Programs