Tyler Pinto

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Software Engineering, 95%

SKILLS

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

PROFESSIONAL EXPERIENCE

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

- Building portal used by **400+** agency stores to print dynamically created 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%**.
- Constructed front-end logic and components using **JS** and **React** to enhance data transferred to **RESTful APIs**
- Made notification and configuration report templates via scripts in company-specific **metadata language**.

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 CNN deep learning model onto a 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 🏆

- Leveraged **time-series forecasting** on data from **IoT** beacons to determine forest fire risk and predict spread of fire.
- Integrated geofencing with **Maps APIs** and **Radar.io** onto a **Vue.js** dashboard to alert EMS of environmental risks.

EDUCATION

Candidate for Bachelor of Software Engineering   Sept 2018 – Present (3A)
Joint Major in Combinatorics & Optimization, Minor in Artificial Intelligence   **3.98/4 (95%)** GPA
University of Waterloo, Dean's List – Ranked 3rd in Program
Relevant Courses: Algorithms, Software Engineering Principles, Databases, Graph Theory, Sequential Programs