MICHAEL XIAN

CONTACT

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SKILLS

Languages

Java (6yr)
Bash (5yr)
Python (4yr)
Typescript (2yr)
HTML/CSS/Javascript (3yr)
C++ (2yr)
C (1yr)
SQL (1yr)

Technologies

React
Virtual Reality/Unity
Google Cardboard
Docker
Kubernetes
OpenShift/MiniShift
Jenkins
Kafka
Mockito
Guice
Spring Boot
SikuliX
Angular
Jupyter/Sagemaker
Sumologic
Sentry
ML/Scikit-learn

REFERENCES

Alex McRoberts
Software Dev Manager
Hootsuite
604-728-7830
alex.mcroberts@hootsuite.com

Scott Peacock
Team Lead
Global Relay
604-729-1275
scott.peacock@globalrelay.net

💼 WORK EXPERIENCE

📅 May 2020 - Sept 2020, May 2021-Present
📍 Hootsuite — Software Developer Co-op

- Completed End-To-End work, including front-end, API calls, endpoint and worker changes.
- Investigated and created reports on errors/acceptance rates on machine learning models
- Implemented hot-reloading in a dockerized flask app
- Created metrics to monitor endpoint failures and usage rates using Splunk, Grafana, and Mixpanel
- Collaborated in an international team across timezones (NA/Europe)
- Worked on Python endpoints and unit tests
- Handled multilingual emails/forms using Smartling

📅 Sept 2019 - May 2020
📍 Global Relay — Software Developer Co-op

- Lead design discussion on MongoDB container in Kubernetes/OKD
- Assisted in on-boarding new team members
- Created bash scripts to streamline dev flow for myself and coworkers
- Created APIs using Armeria/Spring Boot for services and exposed them to outside traffic through Kubernetes routes.
- Unit tested my features using JUnit, Mockito, and Guice.
- Refactored libraries/command-line tools for increased readability and testability.
- Worked with distributed systems using Kubernetes/OpenShift/MiniShift.
- Developed a microservice based solution for compliance in the financial industry using Agile methodology.
- Utilized Jenkins pipeline for continuous integration.

👥 EXTRA-CURRICULAR

📅 Nov 2020 - Feb 2021
📍 Freelance - E-law website

- Created infrastructure for a Typescript/Next/Preact/TailwindCSS project
- Setup back-end Azure/Mongo database
- Setup CI/CD using Netlify
- Worked on profile/messaging service/transitions

📅 Sept 2018 - May 2019
📍 UBC Launchpad - Internado

- Created module using React to show results from server query on job/internship postings.
- Created authentication endpoint.

📅 Sept 2017 - May 2018
📍 AMS Game Development Association - w1ck3dpr0bl3m5

- Worked in a team of 4 with ORICE (the Office of Regional and International Community Engagement) to create a VR experience to help familiarize ASTU 401 students with the "wicked problems" they are dealing with in the course.
- Made using Unity, C#, Google Cardboard, Virtual Reality.

🤝 VOLUNTEERING

📅 Sept 2018 - Dec 2018
📍 Emerging Media Lab - Main Mall Hustle

- Implemented dashing mechanism in C#, which also allows the user to ignore collision, for a virtual reality experience aimed at familiarizing users with the layout of UBC.

🎓 EDUCATION

📅 Sept 2017 - Present
📍 University of British Columbia, Vancouver
In the Bachelor of Science program, with a specialization in Computer Science. 3.95 GPA.