

# MICHAEL XIAN

## CONTACT

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📌 Michael Xian

## 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**
- Finished End-To-End tickets, 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.