# Zian Zhou

## Software Developer

I am a Computer Engineering student at the University of Toronto, who is seeking a full-time software engineering role for summer 2024 post graduation.

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Toronto

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github.com/ZianZhou

## EDUCATION

### Bachelor of Applied Science in Computer Engineering
University of Toronto

*09/2019 - 04/2024*                    *Toronto, ON, 3.5 Cumulative GPA*

*Relevant Courses*

- Algorithms and Data Structures
- Web Development
- Operating Systems
- Computer Networks

## PROFESSIONAL AND ENGINEERING EXPERIENCE

### Software Developer Coop
BlueCat Networks

*09/2022 - 08/2023*                    *Toronto, On*

*Leading DDI software provider*

*Achievements/Tasks*

- Developed backend features to a software component that acts as a client and sends requests to a server.
- Integrated Blackduck and Coverity to maintain quality of the codebase in required projects, increasing coverage from 0% to 80%.
- Created Grafana dashboards with Prometheus and AWS Elasticsearch to monitor stability of infrastructure.
- Automated dependency updates by researching and utilizing RenovateBot.
- Hooked up build pipelines to a slack channel which notifies the team during pipeline failures.
- Contributed to testing a natural language processing model to improve its accuracy, precision, and recall.

*Contact : Ian Laidlaw  - email: ilaidlaw@bluecatnetworks.com*

### DevOps Intern
Coinsquare

*05/2022 - 07/2022*                    *Toronto, ON*

*Actively supporting Coinsquare's technical operations, infrastructure, and applications.*

*Achievements/Tasks*

- Managed Kubernetes clusters to simplify and automate technical processes.
- Created Grafana dashboards using Prometheus for monitoring and reporting purposes.
- Assisted developers with testing code by deploying applications to testing environment using ArgoCD.

*Contact : Matthew Nwajei  - phone: 416-305-3348 email: mnwajei@gmail.com*

## TECHNICAL SKILLS

C, C++, Java, Python, Rust, Golang, and Matlab

Terraform       Bash and shell scripting

AWS Cloud Platform       HTML, CSS, and JavaScript

ELK Stack, Prometheus, and Grafana       ArgoCD

Kubernetes       React and SQL       Docker       Gitlab

## PROJECTS

Interactive Map (01/2021 - 05/2021)
- Created a Geographic Information System Mapping App with two other team members by extracting data from OSM database
- Link to Github: https://github.com/ZianZhou/interactive_map_public

## EXTRACURRICULARS

UofT Chinese Hip-Hop Club (09/2021 - Present)
*HR Department responsible for recruiting new members and internal relations*

UofT Chinese Entertainment Club (09/2021 - Present)
*Events Department responsible for organizing events*

## CERTIFICATES

Stanford Online Machine Learning from Coursera
 (06/2020 - 08/2020)

Deep Learning Stanford Online from Coursera
 (08/2020 - 09/2020)

## LANGUAGES

Fluent in English and Mandarin
*Full Professional Proficiency*

Proficient in French
*Full Professional Proficiency*