

Tristian Chen

Software Engineer

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EXPERIENCE

Shanghai ZQT Information Technology Ltd, HangZhou, China — *Software Engineer Intern*

May 2021 - August 2023 (2 Years 4 Months)

- Designed electronic locks presently deployed in the telecommunications industry.
- Developed and maintained cloud-based authentication platforms for electronic lock security, implemented web and mobile clients, designed proprietary security protocols.
- Wrote software documentation, user and operator manuals.
- Implemented automated testing procedures, increased testing efficiency by 110%.

CanadaIBO Technology Ltd, Vancouver, BC — *Full-Stack Development Intern*

May 2019 - August 2020 (1 Year 4 Months)

- Developed and maintained web applications including ecommerce and media hosting platforms.
- Designed and managed relational databases with heavy emphasis on cyber security.
- Conducted code reviews, provided feedback and optimization.
- Spear-headed migration of legacy Shopify systems to proprietary systems, resulting in a 70% reduction in maintenance costs.
- Introduced agile development methodologies, resulting in 30% increase in project completion efficiency.

EDUCATION

University of Toronto, Toronto, ON — *Computer Engineering BASc*

September 2018 - April 2024

Majored in Computer Engineering with minors in Artificial Intelligence and Engineering Business.

Course experience includes algorithms (ECE345), operating systems (ECE344), machine learning (CSC384, APS360, ECE420), networks (ECE361), computer security (ECE568), databases (CSC343), and software development cycle (ECE444).

SKILLS

Agile software development

Engineering cost analysis

Machine learning
(Tensorflow, PyTorch)

Database development
(MySQL, PostgreSQL)

PROFICIENT PROGRAMMING LANGUAGES & LIBRARIES

C/C++

Python: PyTorch, Tensorflow

JavaScript: Vue, Node.js

SQL: PostgreSQL, MySQL

LANGUAGES

English, Mandarin Chinese,
Japanese

