

William Zhao

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EDUCATION

University of Toronto

April 2024

Bachelor of Science in Computer Science and Mathematics

WORK HISTORY

Software Developer

Jan 2025 – Aug 2025

Scotiabank

Scarborough, ON

- Designed and implemented Java code and JUnit test suites for core banking services, increasing code coverage to 100% and reducing production defects.
- Created comprehensive automated test cases for field validation, data mapping, and end-to-end workflows, ensuring full compliance with QA and regulatory standards.
- Developed and executed API tests and database validation scripts; delivered JSON payloads to IST and UAT environments via Postman.
- Monitored and optimized MongoDB data flow using Elasticsearch and Argo CD, improving query performance and system reliability.

Software Engineering Intern

May 2022 – Sept 2023

ePIC Blockchain

North York, ON

- Developed blockchain ASIC firmware and enhanced Miner API in Rust, enabling real-time and discrete hashrate calculations from miner sensor data.
- Implemented RESTful API endpoints for retrieving and controlling miner network info, performance stats, and temperature metrics.
- Designed and built an Electron + React.js + Material-UI dashboard for ASIC miners, improving usability and accessibility based on customer feedback.
- Diagnosed and repaired ASIC miner hardware, including disassembly and hashboard testing, restoring functionality for client deployments.

SKILLS

Programming Languages: Rust, Python, Java, C, C++, SQL

Technologies: Git, Jira, MongoDB, PostgreSQL, Splunk, AWS, React.js, Node.js,