

# William Zhao

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## WORK HISTORY

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### Software Test Developer *Scotiabank*

**Jan 2025 – Present**  
Scarborough, ON

- Developed comprehensive test cases covering field validation, mapping, and end-to-end testing.
  - Collaborated with design teams to implement tests with 100% code coverage.
  - Used automated **Excel** scripts to reduce time manually creating test cases by 80%.
- Actively participated in agile ceremonies, collaborating with cross-functional teams to resolve issues and drive continuous improvement, while consistently documenting and tracking progress using **Jira** and **Confluence**.
- Experience with API testing and database validations.
  - Delivered JSON data to IST and UAT environments using **Postman**.
  - Ensured all data successfully arrived into **MongoDB** using **Elasticsearch** and **Argo CD**.

### Software Engineer *ePIC Blockchain*

**May 2022 – Sept 2023**  
North York, ON

- Developed Blockchain ASIC software, created and improved Miner API using **Rust**.
  - Added discrete and real-time hashrate calculations using data collected from ASIC miners.
  - Implemented **RESTful API** features that allows pushing and pulling data from various sensors on the miner, such as network info, hashrate, and temperatures.
- Designed and built front-end UI for ASIC miners using **Electron**, **React.js** and **MaterialUI**.
  - Modified elements on webdash and dashboard using customer feedback to increase usability and accessibility.
  - Ensured webdash supports backwards compatibility with older ASIC miner models.
- Disassembled ASIC miners for testing and debugging by diagnosing dead hashboards and reassembling working machines to be delivered to customers.

## EDUCATION

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**University of Toronto**  
Bachelor of Science in Computer Science and Mathematics

**April 2024**

## SKILLS

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**Programming Languages:** Rust, Python, Java, JavaScript, HTML, CSS, SQL

**Technologies:** Git, Jira, MongoDB, PostgreSQL, Kubernetes, Docker, AWS, React.js, Node.js,