KHOI NGUYEN

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EDUCATION

University of Toronto *September 2021 – April 2026*
B.Sc. in Computer Science & Mathematics

- **Relevant Courses**: Software Design, Probability and Statistics I, Introduction to Information Security, Software Tools and Systems Programming, Data Structures and Analysis, Operating Systems, Parallel Programming, Embedded Software, Intro to Software Engineering

SKILLS

Computer Languages	Golang, Ruby, Java, SQL, C/C++, Javascript/TypeScript, Python, Shell, Bash
Frameworks and Technologies	Go-Chi, Express.js, Node.js, MySQL, PostgreSQL, Linux/Unix, CUDA
Tools	Vim/Neovim ♡, tmux, gcc, gdb, valgrind, git, github, perforce
Professional Skills	Adaptability, Problem-solving, Team Player, Accountable, Reliable, Self-starter
Languages	English, Vietnamese

WORK EXPERIENCE

Hardware Verification Intern May 2024 - Present
Advanced Micro Devices (AMD) *Markham, ON*

- Improved on LSF statistical dashboard using **Go**, **Svelte**/**Sveltekit**, and **Ruby** for managing jobs running on IBM Spectrum LSF.
- Designed and implemented the 'Matrix' automation framework in **Go**, and **MySQL** to speed up work and allow for running tests through chat or email.
- Assisted in running and managing regression

Software Developer July 2023 - June 2024
XtayPro Canada *Toronto, ON*

- Designed and programmed the front-end of the XTayPro Canada website using **Next.js** and **Tailwind CSS**.
- Assisted in setting up XTayPro's Github, Trello, and hosting on Digital Ocean and technological team in Canada.
- Researched and advised on improvements for the company's website.

Tech Champion April 2022 - May 2023
SEED Immmigration *Toronto, ON*

- Automated the process of preparing scanned documents by developing a **Vue.js** and **Flask** web application by using PDFjs module.
- Observed multiple processes in the company, and presented ideas to the board of directors about technological improvements

Software Developer (Intern) June 2022 - August 2022
Nexle Corporation *Ho Chi Minh City, Vietnam*

- Programmed the front-end of a content management system for the client using **React** and **Redux**
- Designed and built the back-end, and APIs of a fitness app using **Node.js**, and **MySQL** maximizing efficiency and ease-of-use for front-end developers.
- Debugged old bugs on existing projects on both front-end and back-end, tested new code for bugs reducing the chance of application breaking bugs.