

KHOI NGUYEN

(437) · 225 · 7746 ◇ bob.k.nguyen@gmail.com ◇ linkedin.com/in/mnkhoy ◇ github.com/mnkhoy ◇ mnkhoy.com

EDUCATION

University of Toronto

September 2021 - April 2026

B.Sc. in Computer Science & Mathematics

Overall GPA: 3.56/4.00

- **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, SQLite3 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 Monitor using **Go**, **Svelte/Sveltekit**, and **Ruby** for managing jobs running on IBM Spectrum LSF.
- Designed and implemented the 'Matrix' automation framework in **Go**, and **SQLite3** to speed up work and allow for running tests through chat or email.
- Proposed and built an organization chart and adding roles and permissions for the team's workflows using **Go**
- Assisted in running, managing, and improving regression built using **Ruby**

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 Immigration

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.