


Thang Pham

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EDUCATION

University of Waterloo

Bachelor of Computer Science (Dean's Honours)

- Cumulative GPA: 90/100, Major Average: 92/100.
- Michael and Ophelia Lazaridis Olympiad Scholarship (full-ride).

Waterloo, Canada

Sep 19 - May 23

EXPERIENCE

• Waabi Innovation

Software Engineer I

- Writing software and tools for onboard system running on self-driving trucks.

Toronto, Canada

Jun 23 - now

• Neon

Software Engineer Intern

- Added new API endpoints for reporting database metadata and observing metrics.
- Improved reliability and performance of the storage engine's log processing unit and branch creation unit by 2x.

San Francisco, United States

May 22 - Aug 22

• Waabi Innovation

Software Engineer Intern

- Implemented a proof of concept framework for testing and integrating different vehicle controllers and vehicle models into the autonomy system of self-driving trucks.

Toronto, Canada

Jan 22 - Apr 22

• Curvegrid

Software Engineer Intern

- Maintained and added new features for the back-end API system of MultiBaas, a blockchain middleware.
- Wrote a prototype of MultiBaas Bridge, a cross-chain portal that allows fast and secure movement of digital assets across different blockchain platforms.
- Introduced Typescript to the company's front-end stack and helped stabilize APIs for the first release.

Tokyo, Japan

May 20 - Aug 21

• VinAI Research

AI Engineer Intern

- Developed a deep learning project for quantifying the percentage of people wearing masks on the street in real-time.

Hanoi, Vietnam

May 19 - Aug 19

PROJECTS

- hackernews-TUI: a terminal application for browsing Hacker News and reading discussions/articles.
- spotify-player: a Spotify player in the terminal providing a full feature parity to the official Spotify application.
- chrome-dino-game-rl: a deep reinforcement learning model that learns to play the Chrome's Dinosaur Game.
- Anime Music Generator: a RNN-based machine learning model to generate anime-inspired instrumental songs.

AWARDS

• ICPC East Central North America Regional Contest

Gold Medalist - Ranked 2/105

Windsor, Canada

Oct 19

• International Olympiad in Informatics

Gold Medalist - Ranked 10/336

Tsukuba, Japan

Sep 18

• Asia-Pacific Olympiad in Informatics

Gold Medalist - Ranked 12/187

Hanoi, Vietnam

May 18

• Vietnam National Olympiad in Informatics

First Prize - First place

Hanoi, Vietnam

Jan 18

SKILLS

- Languages: Rust, Golang, Typescript/Javascript, C/C++, Python
- Tools: Unix/Linux, Git, PostgreSQL, Docker, Github actions