

Thang Pham

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EDUCATION

University of Waterloo

Bachelor of Computer Science (Dean's Honours)

Waterloo, Canada

Sep 2019 - May 2023

- Michael and Ophelia Lazaridis Olympiad Scholarship (full-ride).

EXPERIENCE

• Waabi Innovation

Toronto, Canada

Software Engineer I

Jun 2023 - now

- Write software and tools for onboard system running on autonomous trucks.

• Neon

San Francisco, United States

Software Engineer Intern

May 2022 - Aug 2022

- Added new APIs for reporting different kinds of database metadata and metrics.
- Improved reliability and performance for the storage engine's logs processing unit and branch creation unit.

• Waabi Innovation

Toronto, Canada

Software Engineer Intern

Jan 2022 - Apr 2022

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

• Curvegrid

Tokyo, Japan

Software Engineer Intern

May 2020 - Aug 2021

- 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 the blockchain APIs for the first release.

• VinAI Research

Hanoi, Vietnam

AI Engineer Intern

May 2019 - Aug 2019

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

AWARDS

• ICPC East Central North America Regional Contest

Windsor, Canada

Gold Medalist - Ranked 2/105

Oct 2019

• International Olympiad in Informatics

Tsukuba, Japan

Gold Medalist - Ranked 10/336

Sep 2018

• Asia-Pacific Olympiad in Informatics

Hanoi, Vietnam

Gold Medalist - Ranked 12/187

May 2018

• Vietnam National Olympiad in Informatics

Hanoi, Vietnam

First Prize - First place

Jan 2018

PROJECTS

- hackernews-TUI: a terminal application for browsing Hacker News and reading discussions/articles.
- spotify-player: a Spotify client to play music, control remote playback, browse and explore new music from terminal.
- chrome-dino-game-rl: a reinforcement learning model that learns to play the Chrome's Dinosaur Game.
- Anime Music Generator: a web application that generates short anime-inspired songs using simple neural networks.

SKILLS

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