





Thang Pham

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EDUCATION

University of Waterloo

Candidate for Honours Bachelor in Computer Science, Co-op

Waterloo, Canada

Sep 2019 - May 2023 (expected)

- Cumulative GPA: 91%.
- Michael and Ophelia Lazaridis Olympiad Scholarship (full-ride).

EXPERIENCE

• Neon, Inc.

Software Engineer Intern

Waterloo, Canada

May 2022 - Aug 2022

- Worked on Neon's pageserver, a PostgreSQL-compatible separated storage backend.
- Added new APIs for reporting timeline data, increased the test coverage for measuring the database's reliability and performance, and optimized the performance of the pageserver's WAL processing and branch creation codes.

• Waabi

Software Engineer Intern

Toronto, Canada

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

Software Engineer Intern

Tokyo, Japan

May 2021 - Aug 2021

- 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.

• Curvegrid

Software Engineer Intern

Tokyo, Japan

May 2020 - Aug 2020

- Maintained and added new features for the back-end API system of MultiBaas, a blockchain middleware.

• VinAI Research

AI Engineer Intern

Hanoi, Vietnam

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

Gold Medalist - Ranked 2/105

Windsor, Canada

Oct 2019

• International Olympiad in Informatics

Gold Medalist - Ranked 10/336

Tsukuba, Japan

Sep 2018

• Asia-Pacific Olympiad in Informatics

Gold Medalist - Ranked 12/187

Hanoi, Vietnam

May 2018

• Vietnam National Olympiad in Informatics

First Prize - First place

Hanoi, Vietnam

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.
- 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