

Thang Pham

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EDUCATION

University of Waterloo

Candidate for Honours Bachelor in Computer Science, Co-op

Waterloo, Canada

Sep 2019 - Sep 2023 (expected)

- Cumulative GPA: 92%.
- Michael and Ophelia Lazaridis Olympiad Scholarship:
 - Recipient of the Faculty of Mathematics' Olympiad Scholarship that covers full tuition and living expenses.

EXPERIENCE

• Neon, Inc.

Software Engineer Intern

Waterloo, Canada

May 2022 - Aug 2021

- Building an open-source serverless PostgreSQL.
- Worked on maintaining and improving Neon storage engine.

• Waabi

Software Engineer Intern

Toronto, Canada

Jan 2022 - Apr 2021

- Built a proof of concept framework for implementing and integrating different vehicle controllers and vehicle models to the autonomy system of self-driving trucks.

• Curvegrid

Software Engineer Intern

Tokyo, Japan

May 2021 - Aug 2021

- Developed a prototype of MultiBaas Bridge, a cross-chain portal that allows fast and secure movement of digital assets across different blockchain platforms.
- Worked on migrating the company's front-end stack and upgrading the API system to a new version.

• Curvegrid

Software Engineer Intern

Tokyo, Japan

May 2020 - Aug 2020

- Maintained the company's code base, developed new features, and fixed bugs.
- Rewrote the handling logic for GET events API with pagination, improving the overall performance by 2 times.

• 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.
- Source code: <https://github.com/aome510/Mask-Classfier>.

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

PROJECTS

- Hacker News TUI: a fast and customizable application for browsing Hacker News on the terminal.
- Spotify Player: a Spotify client to listen to music and interact with the Spotify server directly from the terminal.
- Anime Music Generator: a web application that generates anime songs using a simple recurrent neural network.

SKILLS

- Languages: Rust, Golang, Typescript/Javascript, C/C++, Python
- Technologies: Vue.js, Node.js, Pytorch, Tensorflow
- Tools: Unix/Linux, Git, PostgreSQL, Docker, Github actions