


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

EXPERIENCE

• Curvegrid

Blockchain Software Engineer

Tokyo, Japan

May 2021 - Sep 2021

- Designed and developed a reference implementation of MultiBaas Bridge, a cross-chain portal that allows fast and secure movement of digital assets across different blockchain platforms.
- Migrated the company's front-end stack from Vuetify1 with Javascript to Vuetify2 with Typescript and upgraded the back-end API system from v0 to v1.

• Curvegrid

Blockchain Software Engineer

Tokyo, Japan

May 2020 - Sep 2020

- Maintained a Golang back-end server that interacts with the blockchain via REST APIs.
- Implemented new event and address tables using Vue.js to manage blockchain data with a web-based control panel.

• VinAI Research

ML Engineer Intern

Hanoi, Vietnam

May - Sep 2019

- Developed a deep learning project for quantifying the percentage of people wearing masks on the street in real-time.
- Trained a custom model using the SSH model for face detection and a Resnet50 model for masked face classification.
- Achieved 96.5% accuracy during inference and an average real-time performance of 10-15 FPS.
- Source code: <https://github.com/aome510/Mask-Classifer>.

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:

- Used Rust to build a fast and configurable terminal application for reading Hacker News articles and discussions.
- Hit the front-page of Hacker News during the first official release.

• Spotify Player:

- Developed a command-driven Spotify player in Rust to control Spotify and listen to music on the terminal.

• Anime Music Generator:

- Used Tensorflow to train a bidirectional recurrent neural network that generates classical anime songs and deployed it to Heruko as a simple Django web app.

SKILLS

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