

# Minh Pham

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## EDUCATION

### HUS HSGS

HIGH SCHOOL FOR GIFTED STUDENT  
- HANOI UNIVERSITY OF SCIENCE  
Grad. May 2024 | Hanoi, Vietnam

### CMU QATAR

CARNEGIE MELLON UNIVERSITY IN  
QATAR  
BS IN COMPUTER SCIENCE  
Aug 2025 | Doha, Qatar

## LINKS

Facebook:// Minh Cong Pham  
Github:// socpite  
LinkedIn:// Minh Pham Cong

## SKILLS

### PROGRAMMING

Comfortable:

Shell • Python • C++ •  $\text{\LaTeX}$

Learning:

C • Rust • Zig • Assembly

### TOOLS

Docker • Linux • Godot

## EXPERIENCE

### HUMAN UNION DATA | SOFTWARE ENGINEERING INTERN

May 2025 - July 2025 | San Fransisco, CA

- Create Docker and tasks for Reinforcement Learning. Created tasksets containing 2000 tasks of popular web apps like Outline, OpenEMR, Appflowy, ...
- Develop and maintain the hud-python repository

### VIETNAM MATHEMATICAL MODELLING COMPETITION May 2023 - Aug 2023 | Hanoi, Vietnam

- Wrote a paper on optimizing flight path for pesticide drones.
- Wrote a paper on scheduling to optimize working time balance using Gurobi and C++.
- Won first place in the competition as a team of 4.

### COMPETITIVE PROGRAMMING PROBLEMSETTER AND TESTER

- Wrote a problem for the 2023 ICPC Northern Vietnam contest.
- Wrote many problems for local and regional contests.
- Tester for 2 official Codeforces contest.

## PROJECTS

### TETRIS WITH WGPU RUST PROJECT LINK

April 2023 - Aug 2023

Small project to learn Rust. Learned to create games from very basic graphic libraries like WGPU. Implements special features like spinning board, hidden pieces or distorted pieces

### MAZEGAME PROJECT LINK

April 2025 - August 2025

Small project to learn Zig. Created a game where 2 players submit C++ code for a maze maker and solver, and their code battles out. Learned socket programming and simple matchmaking system.

## AWARDS

2023	Silver Medal	Asia Pacific Olympiad in Informatics
2024	Gold Medal	Asia Pacific Olympiad in Informatics
2024	Gold Medal	International Olympiad in Informatics
2023	First Place	Vietnam Mathematical Modelling Competition