

MINH VY HA

Software Engineer Internship

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SKILLS

OOP Data Structure | Database Algorithms Design

Git | GitHub Flask SQL

PROJECTS

Pathfinding Visualization

[Source Code](#)

[Video Demo](#)

- Using Python and library pygame to visualise the A* pathfinding algorithm, an algorithm to find the shortest path from one place to another.
- Programmed both the visualization and algorithm of the project.

Sorting Visualisation

[Source Code](#)

[Video Demo](#)

- Implement six different sorting algorithms that have different time complexity (n^2 and $n \log n$) such as merge, quick and heap sort
- This project is programmed using Python and pygame library

Pong Game

[Source Code](#)

[Video Demo](#)

- Recreate Pong game with Python and using pygame to visualise the game
- I implemented most of the visuals, the collision and the algorithms of the project

AI Play Pong Game

[Source Code](#)

[Video Demo](#)

- This project using NEAT (NeuroEvolution of Augmenting Topologies) to build and train an AI to play a simple game (Pong). I implemented all the interface of the game, the algorithms to play the game and I trained and stored AI with various difficulty.

TRAINING / CERTIFICATION

CS50: Introduction to Computer Science

[Harvard University - Online Course](#)

- Topics include abstraction, data structures, encapsulation, resource management, security, software engineering, and web development.
- Languages include C, Python, SQL, and JavaScript plus CSS and HTML.
- I finished the course with 100% less time and more challenging problem sets than under 10% of students attending the course completed.
- [Show credential](#)

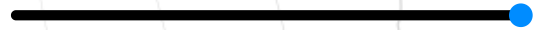
WAI Hackathon: AI for Inclusion

[Women in AI](#)

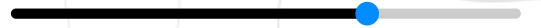
- A 3-day hackathon which aims to empower technology and AI.
- I led and supported the design and presentation of my team's idea and I helped my team achieve the score 30% higher than other students' team.
- [Show credential](#)

PROGRAMMING

Python



Java



C



SQL



HTML | CSS | JS



LANGUAGES

English

Advanced



Vietnamese

Native



STRENGTHS



Oral and Written Communication



Team Work



Consistent and Responsible



Lifelong Learning

REFERENCES

[Olivier Kameya](#)

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FIND ME ONLINE



LinkedIn

www.linkedin.com/in/MinhVyHa



YouTube

<https://www.youtube.com/channel/UC6kYs1bW0j273GneHxFyPFQ>



GitHub

<https://github.com/minhvy828>