

MINH VY HA

Software Engineer

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EXPERIENCES (PROJECTS)

Portfolio Website

[Source Code](#)

[Live Demo](#)

[Video Demo](#)

- Implemented in HTML | CSS | JS with the support of Bedimcode. This website taught me a lot about fundamentals of web development, and it demonstrates all other personal projects that I have completed.
- I improved the HTML and CSS part of the project, and I implemented a new navigation bar and contact section. I also make it responsive and fit for small and medium screen devices.

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.

Web Competition - Grok Learning

[Live demo](#)

[Source code](#)

[Show credential](#)

- I participated in a Web Competition on Grok Learning for students on which everyone needs to style a given HTML. I used my CSS and HTML skills to make an online website for a candle store.
- I won this tournament as first place with the win rate of 84% against hundred of student worldwide.

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

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.
- [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](#)

SKILLS

Languages

Python

Java

HTML | CSS | JS

C | C# | C++

SQL

Programming

OOP

Flask

Algorithms Design

Git | GitHub

Data Structure

Tool / Technology

LANGUAGES

English

Advanced

Vietnamese

Native

STRENGTHS



Oral and Written Communication



Team Work



Consistent and Responsible



Lifelong Learning

REFERENCES

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FIND ME ONLINE



Portfolio Website

<https://minhvyha.tech>



LinkedIn

www.linkedin.com/in/MinhVyHa



YouTube

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



GitHub

<https://github.com/minhvy828>