

# MINH VY HA

## Software Engineer Internship

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## SKILLS

OOP   Data Structure | Database   Algorithms Design

Git | GitHub   Flask   SQL

## PROJECTS

### Portfolio Website

[Source Code](#)

[Live 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 of the project and implemented the navigation bar.

### 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.

### 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.
- I finished the course with 100% less time and more challenging problem sets that under 10% of students attending the course completed.
- [Show credential](#)

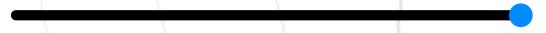
### WAI Hackathon: AI for Inclusion

[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](https://www.linkedin.com/in/MinhVyHa)



YouTube

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



GitHub

<https://github.com/minhvy828>