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.

Pathfinding Visualization
Soure 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 nlogn) such as merge, quick and heap sort
- This project is programmed using Python and pygame library

Web Competition - Grok Learning
Live demo
Source code

- 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.

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 ☐☐% less time and more challenging problem sets that under ☐☐% 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**

SKILLS

Languages

Python   Java   HTML | CSS | JS

C | C# | C++   SQL

Programming

OOP   Flask   Algorithms Design

Git | GitHub   Data Structure

Database

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

LinkedIn
www.linkedin.com/in/MinhVyHa

YouTube
https://www.youtube.com/channel/UC6kYs1bW0j273GneHxFyPFQ

GitHub
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