

TRAN MINH HIEU

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EDUCATION

High School for the Gifted, VNUHCM

Student of Specialized Interdisciplinary Informatics class

HCMC, Vietnam

Aug. 2024 - Present

HONORS AND AWARDS

Excellent student at city competition.

Third prize in information technology

HCMC, Vietnam

Mar. 2023

EXPERIENCE

MHPTeam | Leader & Founder

2019 - Present

- Create a "MHP Ecosystem" with 10+ utilities
- Participated in many competitions

Nexuron | Leader & Founder

May 2025 - Present

- Internal team for the interdisciplinary Informatics classes at PTNK

HAI Code - Project TempurAI | Leader & Founder

Feb. 2025 - Present

- Revolutionizing timetables with advanced AI and industry expertise

Python Programming Group | Moderator

2019 - Present

- A huge python community in Vietnam
- Contribute a lot to the community and keep the environment clean

The Gifted Battlefield | Member

2025 - Present

- Work on side projects as a member of the IID department

PROJECTS

TempurAI | Python, NextJS

Feb. 2025 - Present

- School Timetable Builder with AI Integration.
- Using CP-SAT for Constraint Satisfaction Problems.
- Cross-platform support, auto-save, user-friendly and many other features help users get the most out of their experience.
- Participated in the Young Informatics contest, creative product competition for high school students and passed the Thu Duc city round.

Nexuron Job Application Form | Python, Vue.js

May 2025

- Wrote an entire website for Nexuron member recruitment with api connections, regexing, autosave and responsive yet user friendly content.
- Using FastAPI for the backend and setting up multiple services in Docker containers.
- Provides email sender verification, spam filtering, rate limiting

MHPKMS - Python Protection Project (PPP) | Python, C, C++, Assembly

Aug. 2023 - 2024

- Providing licensing solutions for python applications
- Integrates anti-reverse, anti-crack technologies and creates an isolated environment

face-attendance-system-be | Python

Mar. 2025

- FastAPI backend for saving user information and marking attendance.
- Written in one night.

MHPFS | Python, NextJS

Dec. 2024 - Present

- Share files with just one click.
- Fast, simple and responsive website with good SEO, easy to use and easy to share.

profile | HTML

2021 - Present

- My portfolio
- The first website I created after moving from backend to fullstack

tgboj-v2 | Python, Docker, Caddy

Feb. 2025 – Present

- An online judge platform forked from VNOJ.
- The NGINX setup was migrated to Caddy (to reduce maintenance hassle).
- This platform is now running smoothly at **oj.giftedbat.edu.vn**.

Bau Cua Online | Python

2023

- A game to celebrate Lunar New Year
- Posted on the Facebook page of Thu Duc Department of Education and Training

MHPR3S | Python, C++

Nov. 2024

- A tool that prevents others from accessing your computer while it is running but you are away.
- Integrates advanced auto-start features, prevents computer reboots, and even soft-encrypts your files and systems

SDB Discord Emoji Bot | Python

2019 - 2023

- A versatile bot that helps moderators and even allows users to use emojis without purchasing Nitro
- There is a game called SDB's RNG

Hieu's Diary | Python, HTML, Javascript

2020 - 2023

- An internal blog project developed for my middle school class to preserve memories

keylogger-advanced | Python

May 2023

- A custom keylogger hidden from AV, using sockets and python, very difficult to implement

hangman | Python

2022

- A game where the task is to find the word before the man hangs himself.

dunglaierror | Python

2023

- Detect Dung Lai Lap Trinh's common errors
- Simple setup: pip install dunglaierrors

fireworks-remake | Python

2022

- A game to celebrate Lunar New Year

Sheet Downloader | Python

2021

- An app that allows you to download pdf sheet music from MuseScore.

TECHNICAL SKILLS

Languages : C / C++, HTML, CSS, SCSS, Javascript, Typescript, Python, Bash, Assembly

Frameworks : Vue.js, Node, Nuxt, Qt, Flutter, FastAPI, Flask, NestJS, Pygame, React, NextJS

Developer Tools : Git, Docker, Github Actions, Vercel, Netlify, VS Code, Visual Studio, Caddy, Nginx, PyCharm, MongoDB Compass/Shell, Redis, Atlassian, DataGrip, IDA, WinHex

OSes : Kali Linux, Ubuntu Desktop, Ubuntu Linux, Windows

INTERESTS/OTHER SKILLS

Languages : Vietnamese (mother tongue), English (secondary), Japanese

Skills : Google Workspace, LaTeX, basic networking, electronics repair, team management, operating system tuning, PC building

Interests : Listening to music (mainly Vpop, Jpop, piano, phonk); Reading books (mainly IT, economics, biology and literature); Reading blogs and science magazines (ScienceDirect, Medium, Hackmd, Reddit, Discord Engineering Blog)

Misc.

Volunteering : Participate in volunteer activities to support children at charity homes