# Minh Thiên Hoàng

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## Education

**High School for the Gifted, VNUHCM**                                 HCMC, Vietnam
*Student of Specialized Interdisciplinary Informatics class*       *Aug. 2024 – Present*

## Honors and Awards

**Excellent student at city competition.**                             HCMC, Vietnam
*Third prize*                                                              *Mar. 2023*

## Projects

**fedora-post-install-script** | *Python, Bash*                 Nov. 2021 – Dec. 2022
- A post-install script for Fedora Linux.
- The first version was written in Python, now in Bash.
- TUI-supported.
- This is the first project I created when I began the Linux journey.

**app_dieu_khien_gau, app_trieu_hoi_gau** | *Flutter*           July 2022 – July 2022
- Some (joke) applications that are cloned from Toidicodedao's videos:
  * YouTube: app_trieu_hoi_gau
  * YouTube: app_dieu_khien_gau
- Helped me learn Flutter and the basics of state management.

**hmthien050209.github.io** | *Vue, TailwindCSS*                 Jan. 2023 – Present
- This is my website.
- My first project ever using Vue, TailwindCSS, and GitHub Actions.
- Introduced me to the web development world.

**quiz-game, history-quiz-game** | *Vue, TailwindCSS*            Feb. 2023 – Aug. 2024
- Quiz games for use in literature presentation ("quiz-game" - the original version) and improved version ("history-quiz-game") for use in history presentation in my class.
- Random wheel embeddable via "iframe" element.
- Crossword-like to make the game more attractive.
- Reusable by configuring quizzes inside the "quizes.ts" file (JSON file not yet supported).
- Helped me perfect my web developing skills for use in production (in front of 40 people).

**mowfymy.netlify.app** | *Vue, TailwindCSS, Astro*              June 2023 – Present
- A blog website developed for my foreign English teaching assistant.
- Post and media managed via Sanity Studio and deployed using Netlify.
- Support dark and light themes.
- My first project ever for external customers (but it's developed for free).

**access-c6-game, access-self-check-game** | *Vue, TailwindCSS, Socket.io*    Nov. 2023 – Nov. 2023
- Improved version of "quiz-game" and "history-quiz-game" mentioned above for use in my English presentations to review my class lessons.
- Client-server interactivity via WebSocket using Socket.io.
- Currently only supports LAN connections.
- Helped me learn how to establish and maintain connections between devices in real-time.

**PTNKOJ** | *Python, Docker*                                    Nov. 2024 – Present
- I'm one of the platform's judge maintainers and main assistant.

- My job was assisting with VPS maintenance and file synchronization across judges.

**PTNK IDE** | *Vue, ASP.NET Core, Docker*                                  Dec. 2024 – Present
- I'm the main developer of the project.
- Developed for non-Informatics-specialized students of my school to reduce device setup hassle and maintain consistency between judging and testing environment.
- This project was developed in about 50 hours of code (monitored with WakaTime).

**tgboj-v2, tgboj-v2-docker** | *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**.
- The whole system was migrated to a new server, updated features, and migrated old data in about 8 hours of work.

**ubuntu-post-install** | *Ansible YAML*                                     Feb. 2025 – Present
- A post-install Ansible playbook for Ubuntu Desktop and Server.
- This project was used in production in the tgboj-v2 project mentioned above.

## TECHNICAL SKILLS

**Languages**: C / C++, C#, HTML, CSS, SCSS, JavaScript, TypeScript, Go, Python, Bash
**Frameworks**: Vue.js, Node, Nuxt, Astro, WPF, AvaloniaUI, Flutter, Entity Framework, ASP.NET Core
**Developer Tools**: Git, Docker (and Docker Compose), Ansible, GitHub Actions, Netlify, Supabase, Firebase, VS Code, Visual Studio, Rider, GoLand, IntelliJ IDEA, WebStorm, DataGrip, Caddy
**OSes**: Fedora Linux, Ubuntu Linux, Windows

## OTHER SKILLS

**Languages**: Vietnamese (first language), English (intermediate)
**Skills**: Google Workspace, LaTeX, some knowledge of networking and electrical engineering
**Interests**: Listening to music (mainly Future Bass, Progressive House or Hardstyle), Reading books (about the economy and IT), Reading online blogs (related to IT optimization problems or scaling big systems like the Discord Engineering Blog and Daniel Lemire's blog)