

Huynh Minh Khang

✉ khanghuynh0245@gmail.com

📞 033 7676 245

🌐 github.com/akagiyuu

💻 codeforces.com/profile/AkagiYuu

Honors & Awards

- Group A Bronze Medal in National Student Mathematical Olympiad (Apr 2024)
- ICPC National Contest Participant (Nov 2024)
- Top 5 Field Of Engineering in FPTU (Spring 2024 and Fall 2024)

Skills

- **Programming:**
 - ▶ **Languages:** Rust, Go, Java, C#, Python, C, C++, Lua, Ocaml, Haskell, Assembly, Javascript, Typescript
 - ▶ **Frameworks:** Spring, Axum, ReactJS, NextJS, React Native, Tauri, WinUI 3, WPF
 - ▶ **Tools:** Git, Vim, Linux, Docker, Docker Compose, Kubernetes, Grafana
 - ▶ **Domains:** Backend, Frontend, DevOps, Embedded Systems, Mobile, Desktop, AI, Cryptography
- **Math:** Calculus (I, II, III), Real Analysis, Complex Analysis, Discrete Math, Linear Algebra, Number Theory
- **Soft skills:** Time Management, Problem-Solving, Leadership, Teamwork
- **Foreign language skill:** English (Intermediate, IELTS 7.0)

Projects

Blood Donation System

Jun 2024 – Now

- Open-source platform connecting donors, recipients, and hospitals to optimize blood supply
- Repository: github.com/swp391-group-3/blood-donation-system
- Positions: Team Lead, Full Stack Developer
- Technologies: Axum (Rust), Redis, Qdrant, Retrieval-Augmented Generation, NextJS, Tailwind CSS, Docker, Github Action

R.ODE Battle BE

Jun 2024 – Now

- Designed a scalable real-time scoring and collaborative editor API for coding competitions
- Repository: github.com/F-Code-Club/rode-be-socket-f-code.tech
- Positions: Sub Lead, Backend Developer
- Technologies: Axum (Rust), AWS S3, Docker, Github Action

Virtual Book Archive

Jan 2025 – Mar 2025

- Developed an online library
- Repository: github.com/akagiyuu/virtual-book-archive
- Positions: Team Lead, Full Stack Developer
- Technologies: Spring (Java), ReactJS, Tailwind CSS, Docker

Smart Trash Bin	Jan 2025 – Mar 2025
<ul style="list-style-type: none"> Created an IoT system for automated lid control and real-time fill-level monitoring Repositories: <ul style="list-style-type: none"> ▶ github.com/akagiyuu/smart-trash-bin ▶ github.com/iot102-group5/smart-trash-bin Positions: Team Lead, Full Stack Developer, Embedded Developer Technologies: Arduino, ReactJS, Tailwind CSS, Tauri (Rust), Docker, Github Action 	
NotePad Pro	May 2022 – June 2022
<ul style="list-style-type: none"> Developed a multi-tab rich-text editor with custom formatting tools Repository: github.com/akagiyuu/NotePad Technology: WinUI 3 (C#) 	
Health Care System	Nov 2023 – Dec 2023
<ul style="list-style-type: none"> Built a wearable device interface tracking heart rate and SpO2 levels Repository: github.com/akagiyuu/health-care Technologies: Arduino, React Native 	
Classic Machine-Learning Algorithms	Sep 2024 – Now
<ul style="list-style-type: none"> Implemented various classic ML algorithms (linear/logistic regression, SVM, clustering) from scratch Repository: github.com/akagiyuu/machine-learning Technology: Rust 	
Deep-Learning – MobileNet-V2 Model	Dec 2024 – Jan 2025
<ul style="list-style-type: none"> Designed and trained a MobileNet-V2 image classification model Repository: github.com/akagiyuu/mobilenet-v2 Technology: Burn (Rust) 	
Education	
FPT University - HCMC Campus	Thu Duc, Ho Chi Minh City
Software Engineering	Aug 2023 – Now