

Truong Duong Bao Minh

Full-Stack Develop

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ABOUT

I'm a fourth-year student (coursework complete, awaiting graduation) and a full-stack engineer specializing in web and IoT solutions. I helped build UrbanReflex — an NGSI-LD smart-city platform — implementing FastAPI backends, Next.js/TypeScript frontends, data pipelines and AI features; proficient in TypeScript, Python and embedded systems.

EDUCATION

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY (HUTECH)

Ho Chi Minh City, Vietnam

Bachelor of Information Technology (Software Engineering)

9/2022-Present

GPA : 3.13/4.0

ACHIEVEMENTS :

- 1st – Open Source Software Olympic 2025
- Champion – HDBank Hackathon 2025
- Champion – My First Website Competition 2025
- 3rd Runner-up – AJPC NetAcadRiders 2025

EXPERIENCE

MEBISOFT : Front-End Developer Trainee

Dec 2025 – Present

- Built responsive UI components using React, Next.js, and Ant Design
- Implemented business logic for internal systems and CMS platforms
- Optimized performance by improving component rendering and state management
- Collaborated with designers via Figma and worked in Agile/Scrum using Jira

PROJECTS

UrbanReflex (Web Application) : Full-stack | 132 Star

Nov 2025 – Present

- Developed a smart-city platform to collect, manage, and link road-segment data (environmental sensors, infrastructure status, and citizen reports).
- Designed and implemented RESTful APIs with FastAPI for multi-source data ingestion, validation, and processing.
- Built a responsive, real-time frontend using Next.js and TypeScript for data visualization and user interaction.
- Integrated the NGSI-LD standard to ensure structured data exchange and interoperability across services.
- Collaborated in a team of 3 to design the system architecture and ensure seamless FE/BE integration.

Tech: TypeScript, Next.js, FastAPI

GitHub: <https://github.com/minhe51805/UrbanReflex>

HDBank Team Project : Full-stack

Aug 2025 – Sep 2025

- Developed an automation system using n8n to orchestrate data-processing workflows and reduce manual operations.
- Implemented frontend interfaces with TypeScript and CSS to manage and monitor workflow execution.
- Integrated Python scripts and Jupyter Notebooks for data transformation, analysis, and reporting.
- Connected external APIs and services to automate data synchronization and business processes.
- Collaborated in a team of 3 to design and deliver end-to-end workflow solutions.

Tech: TypeScript, JavaScript, Python, n8n

GitHub: https://github.com/minhe51805/hdbank_team

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java

Frontend: React, Next.js, HTML, CSS

Backend: FastAPI, Node.js

Database: MySQL, SQL Server

DevOps / Tools: Docker, Git, Postman

CERIFICATIONS

- Deep Learning for Text with PyTorch – DataCamp - “<https://byvn.net/M6jw>”
- AI Fundamentals – DataCamp
- Voice AI (GPT-3, IBM Watson) – IBM