

DUY BUI KHANH

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Software Engineer

EXPERIENCE

Maxflow R&D

Software Engineer (Intern) ~ 11 months

Jun 2023 – Now

Hanoi, Vietnam

- **Project: Battery Logistics Simulation**

- * Initiated and led SimPy-based digital twin supply chain simulation project from concept to implementation
- * Overcame challenges independently, ensuring accuracy and reliability, and collaborated with stakeholders for iterative enhancements.
- * Identified and resolved discrepancies between simulated and expected results by debugging code and analyzing simulated data.

- **Project: Battery Logistics Visualization and Optimization**

- * Tech stack: FastAPI, Flask, MySQL
- * Maintained and updated legacy APIs, ensuring compatibility with ongoing project developments
- * Implemented ZeroMQ for inter-service communication
- * Migrated codebase from Flask to FastAPI

Hapi Solution

Software Engineer (Intern) ~ 4 months

Apr 2022 – Jul 2022

Hanoi, Vietnam

- **Project: Goopay Wallet**

- * Developed backend functionalities, wrote Pytest unit tests, and constructed APIs using Flask

PERSONAL PROJECT

Grab Simulator Website

Aug 2023– Aug 2023

- **Github:** github.com/kidclone3/grab-simulate
- **Description:** Educational project. Crafted a simulated system akin for Grab, leveraging expertise gained at Maxflow. This project, emphasizing backend and simulation systems, received praise from the instructor
 - * **Tech stack:** SimPy, ZeroMQ, FastAPI (mostly), NextJS (basic)

EDUCATION

VNU - Hanoi University of Science

Hanoi, Vietnam

Oct 2020 – Now

- **Major:** B.S Computer and Information Science, **GPA:** 3.3, **Expected graduation:** Jun 2024

AWARDS

- ICPC Vietnam Northern (2022), National (2021) - Third Prize
- National Informatics Olympiad (2021 - Third Prize), (Non-IT - 2020 - Second Prize)

TECHNICAL SKILLS

Proficient: C++, Python, Linux

Tools: Git, VSCode, JetBrains tools

Languages: Vietnamese, English