DUY BUI KHANH

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Software Engineer

EXPERIENCE

Maxflow R&D   Jun 2023 – Now
Software Engineer (Intern) ~10 months   *Hanoi, Vietnam*

- **Data Scientist:** Digital Twin Supply Chain project
  * 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.
- **Backend Developer:** 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   Apr 2022 – Jul 2022
Software Engineer (Intern) ~4 months   *Hanoi, Vietnam*

- **Backend Developer**
  * 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   Oct 2020 – Now
Hanoi, Vietnam

- **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, Jetbrain tools
Languages: Vietnamese, English
Quotation: "Unlearn is the key to learn"
Soft Skills: Problem-solving, Presentation, Communication, Report writing, Independent working