

Hai Nguyen

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EDUCATION

University of Wollongong

Master of Computer Science, Majoring in Big Data and Machine Learning

Wollongong, NSW

Feb. 2022 – Jan 2024

Vietnam National University

Bachelor of Finance and Banking

Hanoi, Vietnam

Sep. 2017 – Jul 2021

PROJECTS

ServiceUni | *Python, Django, React, PostgreSQL, Docker (Group Project)* | [GitHub](#)

Jul. 2023 – Nov 2023

- Implemented robust student enrollment and withdrawal services using Python and Django, ensuring secure and efficient handling of user data and transactions.
- Developed a dynamic and user-friendly interface with React for students to interact with the enrollment and withdrawal services.
- Designed and managed the database with PostgreSQL, ensuring data integrity and optimized query performance.
- Utilized Docker for containerization, facilitating consistent development environments and seamless deployment across various platforms.
- Created detailed BPMN (Business Process Model and Notation) diagrams to streamline and visualize the enrollment and withdrawal processes.
- Developed comprehensive ArchiMate models to align the system architecture with business objectives and ensure consistency.

MyRentBuddy | *PHP, HTML, CSS, MySQL* | [GitHub](#)

Jul. 2023 – Nov 2023

- Developed robust backend services using PHP and object-oriented programming principles, ensuring secure and efficient handling of user and admin data.
- Created an interactive and user-friendly interface with HTML and CSS for both admin and user functionalities.
- Implemented comprehensive CRUD (Create, Read, Update, Delete) operations to manage data effectively within the system.
- Designed and managed the MySQL database, ensuring data integrity and optimized query performance.
- Integrated frontend and backend components to create a seamless full stack website, providing comprehensive features for both admin and user management.

ChatGPT3 Landing Page | *React, HTML, CSS, JavaScript* | [GitHub](#)

Jul. 2023 – Nov 2023

- Developed a responsive landing page using React, HTML, and CSS to showcase the capabilities of GPT-3.
- Implemented interactive UI components in React to enhance user engagement.
- Styled the webpage with modern design principles using CSS for a visually appealing interface.
- Ensured cross-browser compatibility and optimized performance for a seamless user experience.

EXPERIENCE

Credit Risk Reporting and Analysis Intern

Nov 2021 – Jan 2022

Vietnam Maritime Commercial Joint Stock Bank

Hanoi, Vietnam

- Utilized SQL for querying and extracting data from databases, enhancing financial reporting and analysis.
- Leveraged Excel for advanced data manipulation, ensuring precision in reports.
- Developed and prepared Management Information System (MIS) reports, using cleaned and processed data to support strategic decisions.

TECHNICAL SKILLS

Languages: Python, SQL (MySQL, Postgres, MongoDB), JavaScript, PHP, HTML/CSS, R

Frameworks: React, Node.js, Django, WordPress, Bootstrap, Material-UI, FastAPI

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, JMeter

Libraries: Pandas, NumPy, Matplotlib, Axios (Node.js)