

UYEN DUONG

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EDUCATION

University of Cincinnati

Anticipated Graduation: May 2028

Bachelor of Science in Information Technology (Software Application Development), Minor in Computer Science

GPA: 3.98, Honors, Dean's List 2023

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, Typescript (Data Structures, Algorithms, Object-Oriented Programming)

Frameworks and Libraries: React.js, Node.js, Django, Flask, OpenAI API, Pandas, NumPy, Scikit-learn

Development Tools: GitHub, Postman, Docker, Figma

Databases: PostgreSQL, Microsoft SQL Server, MongoDB

Web Development: HTML/CSS, RESTful APIs, CORS configuration

Databases: Microsoft SQL Server, MongoDB, RESTful API

WORK EXPERIENCE

Web Developer, RevolutionUC, Cincinnati, Ohio

September 2024 – Present

- Built and deployed a Hackathon platform using **Astro**, **Typescript**, **JavaScript**, and **HTML/ CSS**, resulting in an interface adopted by over 150 students.
- Enhanced backend efficiency with **PostgreSQL APIs** and **Docker**, optimizing data querying and management workflows.
- Implemented **JSON** configuration, significantly reducing setup time and improving data management efficiency.

Software Engineering Intern, Lesson Space, Hanoi, Vietnam

November 2021 – July 2022

- Designed and developed a dynamic website for and English learning management system, featuring user authentication, class management, using **HTML/ CSS**, **JavaScript**, and **third-party APIs**.
- Performed product galleries using **UI/ UX** features, established an interactive prototype, leading to a rise in page views and increase **30%** in user engagement.
- Conducted debugging and code refactoring to improve website performance and user engagement.

PROJECTS

Community Crisis Reporting Application

November 2024

- Engineered a full-stack web application enabling real-time reporting and tracking of community issues, integrating GPS tracking and Google Maps for visualization.
- Designed and deployed **APIs** with **Node.js/Express** for efficient data processing, report submissions and data retrieval, ensuring efficient communication between frontend and backend, and facilitating seamless data management.
- Utilized **CORS configuration**, responsive design, and continuous deployment to ensure a robust user experience.

Edu Quiz Generator

November 2024

- Developed a full-stack application integrating **React.js** for frontend and **Python scripts** for backend processes, including text analysis and automated quiz generation.
- Leveraged **OpenAI API** and libraries (**PyMuPDF**, **python-docx**) to extract and process complex data from PDF and DOCX files.
- Designed **RESTful API** endpoints for smooth communication and secure data handling, demonstrating strong algorithmic thinking and data management skills.
- Conducted end-to-end testing and troubleshooting with **Postman** and resolved networking issues, including configuring firewall and port settings to enable seamless local development.

EXTRACURRICULAR ACTIVITIES

Member | *Society of Women Engineers, University of Cincinnati*

August 2024 - Present

Leader | *Children International Summer Village*

April 2016 – Present

Event Manager | *Information Technology Student Association, University of Cincinnati*

August 2023 – August 2024