

Thu Nguyen

Nashville, Tennessee

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EDUCATION

Vanderbilt University

Bachelor of Science in Computer Science

- Minor: Economics, Engineering Management
- Major GPA: 3.6/4.0
- Selected Coursework: Data Structures, Intermediate Software Design, Algorithms, Cloud Computing, Operating Systems, Programming Languages, Technology Strategy, System Engineering, Computer Networks

Nashville, TN

Aug. 2020 – May 2024

WORK EXPERIENCE

Software Developer Intern

May. 2022 – Aug. 2022

FPT Software

Danang, Vietnam

- Developed 4 databases, 5 site maps, and 2 use cases for management system, increasing performance by 5%.
- Created web server for management system through React JS and Spring Boot.
- Recruited administrators and users to utilize server, growing rate by 10% each month.
- Performed daily stand up meetings to give progress updates.
- Presented the final web server to the team lead and customer.
- Partnered with full time employees to fine tune the web server.

Sales Manager

Dec. 2020 – Jan. 2021

Paris Levain Bakery

Danang, Vietnam

- Surveyed group of 30 patrons to determine popular pastries and calculated daily production need.
- Managed English portion of Instagram and Facebook page.
- Researched the Vietnamese bakery market; conducted 3 marketing activities to facilitate company growth.
- Analyzed food trend in Vietnam to capture more revenue.

PROJECTS

Smart Traffic Visualizer | MERN Stack, Rest APIs, Flask, AWS, Cloud-Based

Mar. 2023 - Apr. 2023

- Collaborated with three students to build the cloud-based occupancy visualizer of popular locations on Vanderbilt campus.
- Leveraged AWS Elastic Beanstalk to deploy the application to the cloud and keeping it fully automated.
- Built the front-end using React.js and utilized Flask to create back-end API to communicate with the MongoDB database.
- Created producer code to rigorously test the functioning of the application while also ensuring it can show live data of students swiping in and out of locations.

Learning Management System | React.js, MySQL, Spring Framework

May. 2022 - Aug. 2022

- Created a management system for client using Agile development methodology.
- Developed a learning management platform accommodating 50+ classes and 200+ users, including students and faculties.
- Implemented the back-end using Spring Framework to store and retrieve data from the MySQL database, along with setting up security log-in measures for the platform.
- Designed the user interface using React.js for an interactive web server.

EXTRACURRICULAR ACTIVITIES

Outreach Chair

Mar. 2022 – Present

Vanderbilt Vietnamese Student Association

Nashville, TN

- Consolidated with 7 board members to spread Vietnamese culture across campus.
- Led activities to build connections among the Vietnamese students.
- Communicated and consulted with other multicultural organizations to hold speaker events to raise social awareness.

Team Lead

Sep. 2021 – Present

Vanderbilt Engineering Without Borders

Nashville, TN

- Collaborated with 6 students on the EPA Rainswork's CS team to assemble an Arduino.
- Spearheaded 2 students in building a web server to display the data collected from the environmental pollution sensor.

SKILLS & INTERESTS

Programming Languages: C++, JavaScript, Java, C, Python, HTML, CSS

Technologies and Frameworks: React.js, Node.js, Next.js, MySQL, Spring, MongoDB, Flask, AWS

Developer Tools: Git, CLion, VSCode

Language: Fluent in Vietnamese. Working Competency in Chinese. Beginner in Spanish.

Certifications: Certified Associate in Project Management, Fundamentals of Emergency Management

Interest: Music, Soccer, Tennis, Candy Crush, Asian TV Shows and Movies, Reading