

NHI NGUYEN

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EDUCATION

University of Cincinnati

Bachelor of Science, Information Technology, Software Application Development

Expected Graduation: May 2025

GPA: 4.0

TECHNICAL SKILLS

Languages: Java, C#, Python, TypeScript, JavaScript for Data Structures, Algorithms, Object-oriented Programming

Web Development: React.js, Next.js, ASP.NET, Node.js, Express, Flask

Databases: PostgreSQL, Microsoft SQL Server, Oracle SQL Developer, DynamoDB

Tools and Practices: AWS, GitHub, Postman, Docker, Kafka, RabbitMQ, Bitbucket, Linux, JIRA, Microservices, Agile

EXPERIENCE

Undergraduate Teaching Assistant | *University of Cincinnati*

August 2024 – present

- Assisting the teaching team with answering students' questions and weekly grading in courses: System Administration (with Linux) and Implications of Information Technology.

Technology Intern | *New York Life Insurance*

June 2024 – August 2024

- Developed a proof-of-concept application in **ASP.NET** and **C#** that integrated **USPS API** with **Oracle** database, providing a reliable backup system for address analysis during internal web service downtimes.
- Implemented a robust **Python** profanity filter module to censor sensitive data inputs to comply with company standards.
- Collaborated in a team of four interns using scaled **Agile** methodology to design and develop a **full-stack React.js** chatbot powered by a **Large Language Model**, reducing operational costs by **92.61%**.
- Engineered **AWS Lambda** functions for backend processing to implement asynchronous communication with the AI Model, utilizing **DynamoDB** for data storage, enhancing the company's service automation capabilities.

Software Engineer Intern | *Kinetic Vision*

May 2023 – November 2023

- Architected and deployed a company-wide interactive map tool, leveraging **Next.js** and **TypeScript** with Ant Design and Tailwind CSS for an intuitive interface adopted by over 200 employees.
- Engineered efficient **GraphQL APIs** with Apollo and Keystone.js, enhancing data querying efficiency by **60%**.
- Integrated **Leaflet API** for map features and location-based functionalities, improving data visualization.
- Implemented a **full-stack** volunteer portal for a company's client with React and Keystone, streamlining event registration and appointment scheduling with **Google Calendar API**.

Software Developer | *UC Information Technology Solutions Center*

January 2023 – May 2023

- Developed a virtual veterinary station website with React.js, featuring forms and tables for data management, and built a robust server using **Node.js** and **Express**, integrating Axios and Sequelize to connect to a **PostgreSQL** database.
- Implemented a versatile error-handler for an evaluation platform, optimizing user experience for client projects.

TECHNICAL PROJECTS

Chore Mate | **Senior Design Capstone** | **React.js, Node.js, MongoDB, Firebase**

- Developed a mobile-friendly web app with React.js to help household members manage chores fairly.
- Built dynamic scheduling features using MongoDB and Node.js to support varying chore frequencies, and deployed the application on **Firebase**, ensuring scalability and seamless performance.
- Integrated **Google and Microsoft authentication** for secure user access, and implemented secure household joining links to maintain privacy and exclusivity.

MyDanang Easyrider | **Next.js, Node.js, MongoDB, GeoJSON, Cloudinary APIs**

- Developed a user-friendly Next.js web app for tourists to explore sightseeing options and book motorcycle trips.
- Built a robust backend with MongoDB and Node.js to manage tours, scheduling, and bookings.
- Integrated APIs and geographic maps for seamless navigation within tourist destinations.

EXTRACURRICULAR ACTIVITIES

Participant | *Grace Hopper Celebration 2023-2024, Anita.B Organization*

September 2023, October 2024

Web Organizer | *Revolution UC Hackathon 2024, University of Cincinnati*

November 2023 – February 2024

Social Media Co-Officer | *Society of Women Engineers, University of Cincinnati*

September 2022 – March 2023

President, Community Lead | *Google Developer Student Clubs*

June 2021 – June 2022