

CAT NGUYEN

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EDUCATION

University of Kansas

May 2021 - May 2025

Bachelor's, Computer Science

- Programming Paradigm, Database System, Communication Networks, Cyber Security

PROFESSIONAL EXPERIENCE

University of Kansas

Lawrence, KS, USA

Resident Assistance

July 2023 - Present

- Organized over 10 events for housing students, achieving an **82%** engagement rate among residents on the floor I oversee.
- Respond to resident inquiries within two days and focus on resolving conflicts within one week of notice. Provided support for more than 50 students within the year. **Effectively** communicate with **90% of students** on my floor.
- Collaborated with the SPA team to improve the student housing experience, increasing engagement from 36 students to **103 participants in an event**.

University of Kansas

Lawrence, KS, USA

Academic Technology Support Team Member

May 2023 - Present

- Conducted over 50 classroom diagnostics and troubleshooting sessions weekly to ensure smooth operations. Contributed to **reducing** classroom support **calls daily by 30%**.
- Acquired expertise in IT Training, Classroom Technologies, Digital Signage, and Education Technologies.

University of Kansas

Lawrence, KS, USA

Student Research Lab Assistant

February 2023 - December 2023

- Prepared formwork and cages for casting reinforced concrete beams and columns.
- Assisted with concrete pour, test setup, and testing different specimens in a laboratory environment.
- Worked on Sample preparation and analysis and assisted with field sample collection or lab experiments.

PROJECTS & OUTSIDE EXPERIENCE

Personal Website

Lawrence, KS, USA

Creator

June 2023 - Present

- Developed multiple frontend projects, including an e-commerce website, ebook platform, and JavaScript game site, using **JavaScript, HTML, CSS, and Three.js**.
- Increased website creation **productivity by 50%** through the implementation of efficient coding practices and streamlined development workflows.
- Enhanced user engagement by **implementing interactive features and intuitive navigation**, resulting in a **40% increase in average session duration**.
- Achieved a **30% decrease** in bounce rate by **optimizing website loading speed** and improving content readability.

Zelda-Wiki

Lawrence, KS, USA

Creator

February 2024 - Present

- Developed a compendium website for a favorite game, focusing on enhancing frontend skills and utilizing APIs for data retrieval and display.
- Currently transitioning the project to **React.js** to enhance **interactivity and scalability**, showcasing adaptability and a commitment to staying updated with industry trends.
- Implemented **advanced JavaScript** techniques throughout the development process, **enhancing problem-solving** abilities and fostering creativity.
- Increased the **fetch time by 40% while using APIs**, demonstrating improved efficiency in data retrieval and display, resulting in a smoother user experience.

AI Resume Personalization

Lawrence, KS, USA

Front-end Programmer

April 2023 - April 2023

- Collaborated with a team of **3 graduate students** to design and develop a website enabling users to create **AI-powered resumes** with personalized content, with a particular focus on front-end development.
- Connected the frontend with the ChatGPT API and **increased the processing and data retrieval time by 20%**, demonstrating improved efficiency in data handling and user experience.
- Demonstrated proficiency in programming, design skills, and problem-solving to successfully complete the project within a **tight timeline**.

SKILLS

Programming Languages: HTML5/CSS, Python, JavaScript, SQL, React.js, Three.js, C#

Tools: Github, VSCode, Figma, Blender, PyCharm, Google Collab, Atom

Languages: Japanese, Vietnamese