

# JOHNNY TRAN

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## EDUCATION

**IOWA STATE UNIVERSITY, Ames, IA**

(Graduated) May 2024

Bachelor of Science in **Computer Engineering**

**GPA: 3.25/4.00**

**Relevant Coursework:** Data Structures, Software Development Practices, Embedded Systems, Operating Systems, Software Testing

## LEADERSHIP EXPERIENCE

**Iowa State Vietnamese Student Association** *Vice President*

August 2022 - May 2023

- Provided leadership and guidance to sub-committees, fostering innovation and problem-solving
- Oversaw the planning, execution, and technical aspects of club events, fundraisers, and celebrations
- Spearheaded the ACE program with a focus on excellence and efficient program management
- Acted as Interim President, applying leadership principles to maintain smooth operations

## PROGRAMMING PROJECTS

**Generative AI to assess learning**, *Senior Design Project I and Professionalism*

Spring 2024

- Developed a Canvas integration using ChatGPT for interactive oral exams, enhancing the assessment process.
- Streamlined exam workflows within Canvas through seamless API integration.

**Shoe Catalog Website**, *Construction of User Interfaces Course*

Spring 2024

- Developed a full-stack Shoe Catalog website, leveraging Node.js, Express, MongoDB, and React.
- Orchestrated CRUD operations with MongoDB and utilized React for dynamic front-end rendering, enhancing user interaction and experience.

**Social Media App Development**, *Software Development Practices Course*

Spring 2022

- Designed and developed a Social Media App using Java
- Managed server-side components and implemented database management for user data storage

**Autonomous Roomba Navigation**, *Embedded Systems Course*

Spring 2022

- Developed a Roomba's autonomous navigation system, applying embedded systems and sensor interfacing
- Implemented real-time algorithms to optimize pathfinding and obstacle avoidance, demonstrating strong problem-solving skills within a team setting

## WORK EXPERIENCE

**Get Air Trampoline Park** *Shift Lead*

February 2018 - January 2024

- Demonstrated strong leadership skills in a dynamic environment, leading a team effectively
- Ensured strict adherence to safety regulations, emphasizing the importance of safety protocols
- Applied problem-solving skills to address operational challenges, optimizing processes

## EXTRACURRICULAR ACTIVITIES

**Basketball** - Played YMCA Church League, WDM Men's League, and Iowa State Intramural

## SKILLS

- **Programming Languages:** C/C++, Java, Python, HTML, JavaScript, CSS, JSON, VHDL, Verilog
- **Software:** Eclipse, VSCode, ModelSim, MySQL, MongoDB, SpringBoot, Microsoft Office, Git
- **Operating Systems:** Apple Macintosh OSX, Microsoft Windows OS, Linux
- **Spoken Languages:** Fluent in Vietnamese; Conversant in Spanish