

# Tien Nguyen

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## EDUCATION

### Texas Christian University - John V. Roach Honors

Bachelor of Science in Computer Science

GPA: 3.8/4.0 – Honors: Dean's List

Relevant coursework: Discrete Math, Calculus I II, Elementary Statistics, Intro to Programming, Techniques in Programming

Fort Worth, TX

Expected May 2028

## PROFESSIONAL & RESEARCH EXPERIENCE

### E-Commerce Website

Next.js, Tailwind CSS, TypeScript, MongoDB

Fort Worth, TX

Feb 2025 – Present

- Developing a dynamic e-commerce platform featuring product browsing, user authentication, and secure payment integration.
- Building a responsive frontend using Next.js and Tailwind CSS for modern, user-friendly designs.
- Implementing a TypeScript-based backend with MongoDB for secure data storage and retrieval.
- Designing key features such as product listings, product filtering, shopping cart, and checkout with real-time updates.

### Food Delivery Website

MongoDB, Express.js, React, Node.js (MERN Stack)

Fort Worth, TX

Jan 2025 – March 2025

- Built a MERN stack web application enabling users to browse, order food, and track deliveries.
- Integrated Stripe for secure payment processing and seamless checkout experience.
- Developed an admin panel for managing user orders and monitoring deliveries efficiently.
- Implemented JWT authentication for user registration, login, and session management.
- Designed and optimized a REST API using Express.js and MongoDB to handle orders and payments.
- Enhanced backend performance with optimized MongoDB queries and indexing for faster data retrieval.

### Simon Game Website

HTML, CSS, JavaScript

Fort Worth, TX

Nov 2024 – Dec 2024

- Conceptualized and developed a fully functional Simon Game website using HTML, CSS, and JavaScript, focusing on user-friendly design and interactive gameplay mechanics.
- Leveraged advanced DOM manipulation techniques to create real-time feedback through visual and auditory cues, enhancing user engagement and immersion.
- Designed a responsive and visually appealing interface using CSS, ensuring compatibility across various devices and screen sizes.
- Utilized modular JavaScript functions to organize and streamline the game's codebase, enabling easy maintenance and potential future feature expansions.

## SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, MongoDB, CSS, HTML, TypeScript
- **Frameworks:** Bootstrap, React.js, Node.js, Express.js, REST APIs, Tailwind CSS, Next.js
- **Tools & Technologies:** UML, Git, GitHub, Maven, Google Colab, Postman
- **Languages:** English (advanced), Vietnamese (native)

## LEADERSHIP EXPERIENCE

### College of Science & Engineering, Texas Christian University

Dean's Student Advisory Council

Fort Worth, TX

Sep 2024 - Present

- Provided guidance to the Dean on improving academic and career counseling services, including an initiative program to connect students with alumni in tech companies.
- Facilitated improvements in students' academic performance by providing constructive feedback to professors within the Computer Science faculty, leading to a substantial positive impact on over 20% of the professors.

### Vietnamese Student Association, Texas Christian University

Operation & Finance Department Associate

Fort Worth, TX

Aug 2024 - Present

- Hosted the VSA Coffee Night Party, VSA Mid-Autumn event on campus, and the ICFxVSA Christmas Celebration, each with approximately 100 attendees.
- Coordinated the preparation for the annual Tet (Vietnamese Lunar New Year) Festival for the Vietnamese Student Association (VSA) and students on campus.