

Tien Nguyen

TIEN.DUY.NGUYEN@tcu.edu | +1 (817) 919 6638 | github.com/nguyentienTCU | Fort Worth, TX

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

PROJECTS & TECHNICAL WORK

YoungPreneur Website

NuxtJs, Tailwind CSS, NuxtUI, TypeScript, OpenAI API, Astra DB, Spline 3D

Fort Worth, TX

April 2025 – now

- Built a responsive, interactive website for a youth entrepreneurship program using Nuxt.js and NuxtUI.
- Integrated a smart chatbot powered by **OpenAI API** and **Astra vector database** for natural conversation and information retrieval.
- Added a **translation feature** with **i18n** to support multilingual audiences.
- Embedded **Spline 3D graphics** for dynamic visual storytelling.
- Applied **clsx** and **tailwind-merge** to create smooth, modern UI effects with clean class management.

British Airways Dashboard Website

Next.js, Snowflake, Chart.js, Tailwind CSS, Postman

Fort Worth, TX

April 2025 – now

- Collaborated with a data engineer and a CS peer to develop a dashboard visualizing **11 years of British Airways review data** (2015–2025).
- Used **Next.js** to improve SEO and deliver fast, server-rendered pages.
- Designed a responsive, dark-mode-enabled UI using **Tailwind CSS** and **Chart.js** for clear data visualizations.
- Designing key features such as product listings, product filtering, shopping cart, and checkout with real-time Fetched filtered data from **Snowflake**, prepared by the data engineer, and tested query endpoints using **Postman** updates.

E-Commerce Website

Next.js, Tailwind CSS, Shadcn UI, TypeScript, MongoDB, Clerk, Stripe

Fort Worth, TX

Feb 2025 – April 2025

- Built a responsive e-commerce platform with product listings, filtering, cart, authentication (**Clerk**), and checkout demo (**Stripe**).
- Utilized **Next.js** features (SSR, ISR) to improve SEO, performance, and user experience.
- Developed a responsive frontend with **Next.js**, **Tailwind CSS**, and **Shadcn UI**, ensuring a modern and accessible design.
- Implemented a **TypeScript** backend with **MongoDB** for structured, reliable data storage.
- Developed an admin panel for managing user orders and monitoring deliveries efficiently.

Food Delivery Website

MERN Stack, Stripe, JWT

Fort Worth, TX

Jan 2025 – Mar 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.
- 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.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, PostgreSQL, MongoDB, CSS, HTML, TypeScript
- **Frameworks:** Bootstrap, Vue.js, React.js, Node.js, Express.js, REST APIs, Tailwind CSS, Next.js, NuxtJs
- **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.