

Thien Le

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EDUCATION

University of Houston

August 2022 – May 2026

Bachelor of Science in Computer Science, Minor in Mathematics

Houston, TX

- Related Courses: Computer Science and Programming, Introduction to Programming, Computer Organization and Architecture, Programming and Data Structure, Algorithms and Data Structures, Statistics for Sciences, Introduction to Operating System, Data Science I, Software Design, Natural Language Processing.
- Current GPA: 3.920

EXPERIENCE

Information Technology Specialist

June 2022 – September 2022

Nationwide Nail Supply

Houston, TX

- Assisted in operating and maintaining an online store, ensuring a smooth experience for customers.
- Participated in the development and launch of an e-commerce website for the store which processed over 100 orders per week.

PROJECTS

Library Management System | C++, Object-Oriented Programming

January 2022

- Developed a Library Management System in **C++** incorporating all four core **OOP** principles - polymorphism, inheritance, encapsulation, and abstraction.
- Managed key functionalities such as management of librarians and users, book inventory, borrowing periods, deadlines, and fine enforcement of overdue books.
- Implemented a user authentication system to ensure secure access, requiring users to log in before performing any actions.
- Designed the system to support over **50** users, providing real-time tracking of borrowed books and overdue notifications.

Hitek | Express, ReactJS, Redux, Axios, TailwindCSS, MongoDB

January 2024

- Engineered a robust **full-stack** e-commerce platform, seamlessly accommodating over **50+** users and **100+** products.
- Developed a server using **Express.js** and implemented a comprehensive **REST API** to efficiently manage customers, products, categories, and orders.
- Ensured safe access to protected routes and resources by integrating **JWT** for secure customer **authentication** and **authorization**.
- Created a dynamic and responsive front-end using **TailwindCSS** and **React**, incorporating a custom **Axios** instance for efficient API calls and **Redux toolkit** for state management.
- Utilized **MongoDB Atlas** and **AWS S3** for database management and scalable media storage, efficiently managing data for orders, categories, and product images, while ensuring security, scalability, and maintainability.

TALKConnect | Django, ReactJS, MaterialUI, TailwindCSS, PostgreSQL

August 2024

- Developed a web application that efficiently allocated more than **200** volunteers to volunteer activities based on their preferences, skills, and availability.
- Developed a scalable backend using **Django** and leveraged its powerful **REST framework** to build and test comprehensive **API** that ensured smooth client-server communication.
- Designed and implemented multiple **Django ORMs** to efficiently manage volunteers' profiles, events, fields, and skills, connected to a **PostgreSQL** database hosted on **AWS RDS** for flexible and reliable data storage.
- Developed a responsive front-end with **React**, **TailwindCSS**, and **MaterialUI**, delivering an aesthetically pleasing interface and a seamless user experience.
- Created **unit tests** that achieved **95%** coverage of all functionality, ensuring reliability and robustness in the application.

TECHNICAL SKILLS

Languages: C++, Python, HTML, CSS, JavaScript, TypeScript, SQL, NoSQL

Databases: MongoDB, MySQL, PostgreSQL

Frameworks and Libraries: Express, Django, ReactJS, TailwindCSS, Bootstrap, Material-UI, Node.js, JQuery

Developer Tools: Github, VS Code, Visual Studio, PyCharm, IntelliJ