

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

TECHNICAL SKILLS

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

Databases: MongoDB, MySQL, PostgreSQL

Frameworks and Libraries: Next.js, Express.js, Node.js, React.js, TailwindCSS, Bootstrap, Material-UI, JQuery, Django, Matplotlib, Pandas, NumPy, Scikit-learn

Tools: Github, VS Code, Visual Studio, Docker, AWS S3, AWS RDS

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.
- Designed the system to support over **50** users, providing tracking of borrowed books and overdue notifications.

Hitek | Express, ReactJS, Redux, Axios, TailwindCSS, MongoDB, AWS S3

January 2024

- Developed a robust **full-stack** e-commerce platform, seamlessly accommodating over **50+** users and **100+** products.
- Implemented a server using **Express.js** and created comprehensive **REST APIs** 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 **200+** orders, categories, and product images, while ensuring security, scalability, and maintainability.

TALKConnect | Django, ReactJS, MaterialUI, TailwindCSS, PostgreSQL, AWS RDS

August 2024

- Collaborated with a team of 4 to develop a **full-stack** 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 utilized its powerful **REST framework** to build and test **APIs** to ensure smooth client-server communication.
- Designed multiple **Django ORMs** to efficiently manage volunteers' profiles, events, fields, and skills.
- Connected server to **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.

WORK EXPERIENCE

Customer Support Specialist

June 2022 – September 2022

Nationwide Nail Supply

Houston, TX

- Collaborated with manager to establish and organize a supply warehouse, enhancing operational efficiency and inventory control.
- Assisted in operating and maintaining an online store, ensuring a smooth customer experience and getting positive feedback from customers.