THANH VU

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EDUCATION

University of Houston   *May 2023*
Bachelor of Science in Computer Science

Minors: Mathematics
Honors: NSM Dean's Distinguished Scholars List   **GPA**: 3.78/4.0
Relevant Courses: Algorithms and Data Structures, Computer Architecture, Data Science, Operating System, Design File and Database Systems, Software Design, Computer Networking

SKILLS

Programming Languages: JavaScript (ES6/ES7), TypeScript, HTML5, CSS3, Python, C++, C#
Frameworks & Libraries: React, Next.js, Redux, Node.js, Express, NestJS, Bootstrap, Ant Design, Vercel, Render, Postman
Tools: PyCharm, Visual Studio, RStudio, Git, GitHub, Shell, Windows
Databases: MySQL, PostgreSQL, Microsoft SQL Server, MongoDB

WORK EXPERIENCE

UpNext Tech Group | Next.js, TypeScript, Ant Design, Tailwind, NestJS   *Mar 2024 – Current*
Software Developer

- Engineer an application that streamlines factory job postings and applications using Next.js and TypeScript
- Deploy a robust OAuth 2.0-compliant authentication and authorization system with integrated APIs, ensuring seamless user state persistence across sessions
- Refactor and enforce type checking for the API layer following the factory design pattern, reducing code duplication by 50% and decreasing API-related errors by 25%, resulting in a more maintainable and scalable codebase
- Design and implement administration pages for four major user roles using Ant Design, enhancing user experience through a consistent UI, and improving admin page load times by 35%

PROJECT EXPERIENCE

E-commerce: Book Store | *React, Vite, Ant Design, Redux Toolkit.*   *Apr 2023 – Jan 2024*
bookstore.works | GitHub

- Designed and developed a dynamic e-commerce web application showcasing a variety of books, allowing users to sort, add to cart, and make purchases
- Improved React app performance by 30% with Vite and streamlined the UI using Ant Design
- Enhanced security and user convenience by implementing access tokens and refresh token functionality
- Created a protected page to secure the administration panel and order history, ensuring unauthorized access is restricted to logged-in users only

HealthCare Consultancy | *React, Bootstrap, Redux, Express, MySQL, Rest API*   *Dec 2022 – Nov 2023*
GitHub

- Designed and developed a responsive web app, simplifying appointment scheduling with comprehensive clinic and doctor info
- Implemented multilingual support (English, Spanish, Vietnamese) using React Intl and Redux, enabling users to change languages with a single click, enhancing accessibility by 15%
- Integrated Nodemailer for automated email confirmations, reducing fake bookings by 70% and improving patient satisfaction by 30%
- Streamlined location services with Google Maps API, reducing load times by 90% and increasing patient engagement by 15%
- Optimized SEO, achieving an 80 score in search engine performance
- Developed a robust backend supporting 30+ API endpoints, improving performance to handle a 20% increase in traffic and patient load
- Utilized ORM (Object Relational Mapping) techniques for efficient data management, further enhancing system efficiency