TRONG HIEU THAN

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Education

Arizona State University **3.94 GPA**
B.S. in Computer Science (Software Engineering) *Expected May 2026*

Experience

Lead Website Developer/SEO Analyst **May 2024 – August 2024**
RoomieHub, LLC *Remote*
- Engineered an engaging landing page to attract potential partners and sponsors using **WordPress**, **HTML/CSS**, and **JavaScript**.
- Implemented **search engine optimization (SEO)** techniques to drive increased website traffic and user engagement.
- Utilized **WordPress** tools and technologies to streamline website development and ensure overall functionality.

Software Engineer Intern **June 2024 – August 2024**
Vietnam Export Import Commercial Joint Stock Bank *Ho Chi Minh City, Vietnam*
- Developed a **PWA** simulating a gift trading/e-commerce platform using **Node.js**, **Express.js**, and **Axios**.
- Created a comprehensive user account management system, supporting full **CRUD** operations for enhanced admin control.
- Integrated real-time updates through the Eximbank **API**, significantly improving data accuracy.

Software Engineer Intern **June 2024 – August 2024**
VIAGS, A Subsidiary of Vietnam Airlines *Ho Chi Minh City, Vietnam*
- Programmed a **PWA** for airline reservations, utilizing **ASP.NET MVC** and **Core Library**, ensuring system performance.
- Rendered a real-time flight information board by integrating **VIAGS API** for continuous updates.
- Modeled a secure account management system with server-side controls using **.NET**.

Projects

Deadline AI @ ASU University College PI Hackathon 2024 | *React Native, Tailwind CSS, Python*
- Created an **AI** scheduling system using **OpenAI API** to generate optimized personal task schedules.
- Included a **React Native** feature for study-group matching to promote collaboration, with real-time notifications and networking opportunities, increasing user engagement by 20%.
- Enhanced user accessibility with a minimalist, intuitive **UI** design using **Tailwind CSS**.

Gift Trading E-commerce Service (Licensed with Eximbank) | *Express.js, Axios, Node.js*
- Structured a full-stack **PWA** using **Node.js** for server management and **Express.js** for backend.
- Utilized **RestAPI** to integrate Eximbank's backend, ensuring reliable transaction processing and reducing system errors to less than 2%.
- Reinforced personalized accounts and admin panels with comprehensive **CRUD** functionality.

Airline Reservation System (Licensed with VIAGS) | *ASP.NET MVC, ASP.NET Library, Razor*
- Designed and built a **PWA** for managing airline reservations under the Vietnam Airlines brand.
- Integrated real-time flight updates using **VIAGS API** and **C#**, allowing users to track flight statuses in real time with a 98% accuracy rate.
- Managed secure user management features using **ASP.NET Core Library**, streamlining account creation and management for admins and users.

Arizona Tree AI @ ASU SunHacks 2024) | *Vite, TypeScript, Python, FastAPI, Tailwind CSS*
- Web-based application built with **TypeScript** and **Vite** to assess canopy coverage and advocate for tree planting to mitigate the heat in Arizona's arid regions.
- Backend built with **Python** and **FastAPI**, using a **custom machine learning model** to deliver precise tree-planting recommendations via efficient real-time **RESTful endpoints**.
- Integrated an interactive map powered by **React Azure Maps**, allowing users to explore real-time tree density, heat levels, and additional environmental data across any given areas.

Leadership / Extracurricular

Chief Executive Officer **April 2024 – Present**
VinaSU (Vietnamese Students Association at ASU) *Tempe, AZ*
- Lead organizational effort to promote Vietnamese culture and traditions at ASU, successfully organizing over 10 social and educational event for ASU student
- Finalized strategic decisions across multiple departments, ensuring alignment with organizational goals and smooth execution of tasks.
- Represented the Vietnamese international student body and serving as a cultural ambassador to advocate for over 80 students, ensuring that Vietnamese traditions are promoted within the ASU

Technical Skills

Languages: Java, JavaScript, C, C++, C#, TypeScript , SQL
Technologies/Frameworks/Libraries: Expo, React, React Native, Tailwind CSS, ASP.NET, Node.js, RestAPI, FastAPI, Vite, Bun
Tools/Databases/OS: GitHub, Git, VS Code, WordPress, Visual Studio