An Tran

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EDUCATION

Connecticut College   **New London, CT**
B.A. in Computer Science
- o **Minor:** Mathematics   **Major GPA:** 4.0 /4.0
- o **Awards and Honors:** Dean's Scholarship, Dean's High Honors, Sophomore/Junior Computer Science Award
- o **Relevant Coursework:** Data Structures, Parallel & Distributed System, Algorithms, Software Engineering, Web Development, Data Science, Linear Algebra, Interactive Data Visualization

SKILLS

- **Programming:** Java, Python, JavaScript, HTML/CSS, C#, SQL
- **Frameworks:** Node.js, ExpressJS, Bootstrap, React.js, AngularJS, Spring Boot
- **Tools:** Git, Agile, Postman, IntelliJ, Unity, Jupyter Notebooks

EXPERIENCE

FPT USA
Software Engineer Intern   *Jul 2024 – Sep 2024*
- Built and maintained core web application features, enabling automation management for over 3000 global customers.
- Used AngularJS, Spring Boot, and PostgreSQL to deliver services reducing user processing time by 20%.
- Followed Agile development and code review processes, contributing to a team-oriented environment and demonstrating proficiency in service-oriented architecture principles.

Connecticut College
Student Researcher   *May 2024 – Present*
- Developed Python scripts to process election datasets and run simulations on voting rules, optimizing efficiency using data structures and algorithms in Python to draw insights into performance.
- Collaborated with faculty to refine simulation algorithms, ensuring data integrity and accuracy in results for decision-making use cases.

Adventist Community Service Center
Web Developer   *Sep 2023 – Dec 2023*
- Created a full-stack responsive web platform supporting 100+ users with Node.js and REST APIs, gathering user feedback in Agile sprints to drive iterative improvements.
- Spearheaded stand-ups with cross-functional teams to prioritize customer needs, reducing development cycle time by 20% while adhering to test-driven development practices.

PROJECTS

Interactive Crime Data Visualization (JavaScript, D3.js, Leaflet.js)
- Designed and implemented an interactive data visualization web application using D3.js and Leaflet.js, featuring a dynamic map and pie charts to analyze violent crime statistics in the U.S. by year.

ConnColl Lost and Found (React, Node.js, PostgreSQL)
- Created a full-stack web platform using React for frontend, Node.js for backend, and PostgreSQL for database that allows the Connecticut College community to report lost and found items

Random Movie Generator Website (HTML/CSS, JavaScript, Node.js)
- Developed and deployed a web application to generate random movie suggestions based on preferences, utilizing JavaScript and CSS for UI/UX, EJS for server-side rendering, and Node.js for seamless integration with the TMDB API.

Social Network Platform (Java)
- Built a social network CLI application with robust data handling for user profiles, event scheduling, and friend management features, applying object-oriented design principles and data structures for efficient data processing.