TRANG VU

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Education

Dickinson College   **Sep. 2020 – Dec 2024**
Bachelor of Science in Computer Science and Economics   *Carlisle, PA*

Relevant Coursework: Data Structures and Algorithms, Object-oriented Programming, Database Design, Computer Networks, Computing Abstractions, Computability and Complexity, Open Source Software Development.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, R.
Technologies: Linux, Vue, Git/GitHub, JUnit, ReactJS, RESTful APIs, Figma, Docker, Cypress (**proficiency**), JDBC, Spring framework, Hibernate, NextJS, Tailwind CSS, Supabase (**familiar**).

Experience

CYOBot   **May 2024 – September 2024**
Technical Project Manager & Front-End Developer   *Dover, DE*
- Led a cross-functional team of 10 to deliver over 45 features in 3 months, collaborating with UI/UX and marketing teams to ensure product quality and smooth execution.
- Developed an interactive educational dashboard and homepage serving 2,000 users, and optimized for performance and user engagement which increased sales by 120%.
- Managed the backlog and optimized workflows, increasing team productivity by 45% through Kanban and sprint methodologies.

Center for Sustainability Education at Dickinson College   **May 2023 – Present**
Project Coordinator Intern   *Carlisle, PA*
- Organized and hosted over 25+ workshops and campaign activities to promote sustainable living among students, contributing to Dickinson College's recognition as the #5 Green College by the Princeton Review in 2024.
- Evaluated the effectiveness of sustainability courses, and performed A/B Testing to guide curriculum adjustments.
- Built and promoted marketplace and carpool platform for 2700+ students and faculty on campus, significantly reducing carbon emissions and waste.

FPT Software   **July 2022 – September 2022**
Software Developer Intern   *Hanoi, Vietnam*
- Led a group of 3 members to develop a Java Spring Boot and MySQL-based Parking Management System, introducing system modeling and RESTful APIs, which enhanced parking allocation efficiency by 25%.
- Integrated Spring Security for robust authentication and authorization, resulting in an enhanced user experience and improved operational efficiency.
- Developed an inventory management system utilizing Java, MySQL, JDBC, Spring Framework, and Hibernate in just one month, achieving a 30% decrease in manual entry errors and a 50% improvement in data retrieval speed.
- Spearheaded the design and launch of a cross-platform collaboration tool using project management and software development skills, boosting team productivity by 20% through optimized document management and problem-solving processes.

Projects

D-Pool | *TailWindCSS, React Query, Lucia, TypeScript, Prisma, CSS, Java* | View   **September 2024**
- Developed a secure ride-sharing platform for the Dickinson community with user authentication, profile customization, and ride-scheduling features.
- Integrated real-time updates for ride requests, notifications, and ride-matching using Postgres DB with Prisma ORM and Lucia for authentication.

MermaidJS | *Cypress, Node.js, JavaScript, HTML, Vue.js* | View   **Feburary 2024**
- Proficient in maintaining and advancing codebases, utilizing JSON, TypeScript, and Cypress to create four new pull requests for the project, while adapting to evolving needs.
- Effective collaborator within open source communities, adept at communicating and working effectively in diverse teams using agile and sprint techniques to drive project development and collective learning.

DsonMarket | *ReactJS, NextJS, TailWindCSS, Supabase, Figma* | View   **October 2023**
- Developed a secure and exclusive online marketplace for the Dickinson College community, employing ReactJS, NextJS, and Node.js to ensure a seamless user experience for trading, selling, or buying items.
- Implemented an intuitive registration and user verification system, enhancing platform security and community trust, and facilitated user profile customization for increased personalization and interaction.