

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, JDBC, Spring framework, Hibernate, RESTful APIs, NextJS, Tailwind CSS, Supabase, Figma, Docker.

Experience

Dickinson College

May 2023 – Present

Project Coordinator Intern

Carlisle, PA

- Conducted a thorough assessment of 20+ campus vending machines to identify and remove inefficient units reducing operation costs and energy consumption by 10%.
- 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.
- Evaluate the effectiveness of sustainability courses, and perform A/B Testing to guide curriculum adjustments.
- Built and promoted a marketplace platform reserved for 2700+ students and faculties on campus, reducing significant carbon emissions and waste.

FPT Software

July 2022 – September 2023

Software Developer Intern

Hanoi, Vietnam

- Leds a group with 3 members to create a Parking Management System using Java Spring Boot and MySQL. Responsibilities included system modeling, database architecture, developing RESTful APIs, and integrating Spring Security for robust authentication and authorization, resulting in an enhanced user experience and improved operational efficiency.
- Demonstrated proficiency in Java, MySQL, JDBC, Spring framework, and Hibernate by comprehensively learning and presenting code examples within a month.
- Acquired project development skills, including ideation, design documentation creation, and collaborative problem-solving within a team setting.

G.A.P Institute

August 2020 – November 2020

Business Development and Marketing Intern

Ho Chi Minh City, Vietnam

- Conducted a thorough monthly analysis of Facebook insights, leveraging data-driven insights to formulate strategic marketing plans. Produced content for G.A.P Institute across various social media platforms, resulting in 1500 new followers within three months.
- Led 2 workshops for 300 attendees, generating revenue of \$2000 USD for charity donations.
- Partner with Fulbright University to design and develop "Social Change Model of Leadership" course for 30 students.

Projects

D-Pool | HTML/CSS, Java

March 2024

- Developed D-Pool, a secure and exclusive carpool platform for the Dickinson College community, employing HTML/CSS and Java to increase user-friendliness.
- Facilitated user profile customization for increased personalization and interaction.
- Conduct 100 surveys from students and faculty to create features that meet users' demands.
- Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.

FarmData | Vue.js, HTML/CSS, Docker, JavaScript

November 2023

- Led a team of 3 contributing to an open-source project with supports farms in the organic farming operation.
- Leveraged Vue.js and HTML/CSS to build a webpage to show harvest records, and wrote 3 units in Cypress.

DsonMarket | ReactJS, NextJS, TailWindCSS, Supabase, Figma

October 2023

- Developed Dson Market, 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.
- Integrated Supabase for scalable database management, optimizing platform performance.