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EDUCATION

Indiana University - Bloomington

Bachelor of Arts

Major in Computer Science

Cumulative GPA: 3.42/4.0

Relevant Coursework: Discrete Computational Structures, Data Structures, Client-Side Web Programming, Mobile App Development, Data Analysis and Mining, Algorithm Design & Analysis, Object Oriented Software Methods, Network Tech & System Admin

Bloomington, IN

July 2023

WORK EXPERIENCE

Lau Industries

Summer Intern

Rochester, IN

May 2022 – July 2022

- Collaborated within a team of 5-6 members, demonstrating teamwork and communication skills while driving the successful conception, construction, and deployment of impactful company products.
- Leveraged a good understanding of project management principles to streamline workflows and ensure seamless coordination between departments, resulting in efficient and timely delivery.

Mystic Hills Golf Club

Golf Course Employee - Seasonal

Culver, IN

May 2021 – July 2021

- Presented with a remarkable opportunity to work for Indianapolis Colts owner Jim Irsay, regulating 18 holes and maintaining the private golf course's pristine and professional condition.
- Played an integral role in upholding the course's standards of excellence, ensuring optimal conditions for a premier golfing experience while engaging in hands-on maintenance, showcasing great attention to detail while fostering a culture of seamless teamwork.

PROJECTS

Course Project - Library Management System

April 2023

- Led a cohesive 3-member team in architecting and implementing a comprehensive library management system, encompassing dual service classes for book titles and member information.
- Utilized a service-based architecture, employing Model-View-Controller, factory pattern, and the observer pattern for streamlined front-end deployment. Employed PostgreSQL for robust backend database management, with services effectively deployed on Railway while the frontend achieved seamless deployment on Vercel.

Ecommerce Website

June 2023

- Developed a feature-rich eBay clone using Next.js 13, React JS, SupaBase, TailwindCSS, Prisma, and integrated Stripe for secure payment processing. Successfully replicating core eBay functionalities, including user registration, product listing, bidding, and order management, while ensuring data security and reliability.
- Utilized Next.js 13's serverless functions and TailwindCSS for a responsive, visually appealing user interface, enhancing user engagement and SEO performance.
- Implemented Stripe integration for secure and reliable payment transactions, allowing users to test payments with confidence, and ensuring a seamless e-commerce experience.

ADDITIONAL

Technical Skills: C, C++, TailwindCSS, Java, HTML, CSS, Javascript, Python, SQL, PostgreSQL, Android Development, GitHub, React JS, Next.js

Languages: English, Intermediate Spanish