HUNG BUI

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Education

UNIVERSITY of NEBRASKA - LINCOLN | Lincoln, NE
Bachelor of Science in Computer Engineering | 12/2023

- **GPA**: 3.94 / 4.00. Dean's List
- **Global Laureate Scholarship**: US $15,000 per academic year
- **Relevant Coursework**: Data Structure and Algorithm, Computer Organization, Embedded System, Object-Oriented Programming, Circuit Analysis, Communication Network (TCP/IP, Routing), Numerical Analysis.

Relevant Experience

SPEEDWAY MOTORS Inc. | NE, Lincoln
Software Developer | 08/2022 - Present

- Design and develop application to gain tracking information status and visualize inbound shipments data.
- Build a dashboard for users using NextJs for frontend, C#(.NET Core) for backend, cloud service AWS, and Tableau to visualize information.
- Implement search function by product detail (SKU and Purchase Order) to retrieve information faster
- Analyze packet list from vendors then visualize them using Tableau public. Embedded data chart to dashboard for better examination
- Participate in weekly Agile meetings, software design, and code review with team managers and sponsors.
- Reduce manual work (expected 40%) and have better delivery expectations to internal team and customers.

UNIVERSITY of NEBRASKA-LINCOLN | NE, Lincoln
Undergraduate Teaching Assistant | 08/2022 - 12/2022

- Course: Computer Organization and Embedded System
- Responsible for attending and assisting labs, holding office hours, grading assignments, and teaching special topics lectures

Projects

- **VOTING SYSTEM (FULL-STACK WEB APPLICATION):** Build a website for the voting system where users are able to register, vote, and update their ballot for an election or evaluation. The website hosted by Vercel for frontend and flyio for backend. MERN stack (MongoDB, ExpressJS, ReactJS, and NodeJS)

- **POKEMON GAME:** Design and implement Pokemon game with RestfulAPI (from pok api). Create player interface, game mechanics and deploy project using GitHub Pages. Project has been working with Vanilla Javascript, HTML, and CSS.

- **DATABASE-BACKED & SALES SYSTEM**: Design of database system with schema to support business model. Convert recorded data as CSV file into database and implement the business rules. Provide functionalities to improve calculation correctness and avoid fraud on discount. Project used Object-Oriented Programming languages *Java, and MySQL.*

- **ROBOT DESIGN**: Design and program microcontroller ATmega328p and FPGA De10 Lite for various projects. Understanding how electronics are represented and the ability to read and analyze electronic circuits. *C, Finite State Machine Design, VHDL*

Technical Skills

- **Programming Languages:** Python, JavaScript, *C/C++, Perl, SQL, Java, Typescript, Assembly, VHDL*
- **Frameworks/Libraries:** MERN stack (MongoDb, ExpressJs, Reactjs, Nodejs), MUI, Bootstrap
- **Tool/Technologies**: Git, Vercel, Flyio
- **Software:** Visual Studio, Eclipse, VScode

Activities

- Active Member of Vietnamese Student Association at UNL
  - Collaborated with club officers, restaurants, and school staffs for the most cost efficient event services

- Vietnamese Language Teacher at Immaculate Conception Catholic Church
  - Teach Vietnamese language and culture for Vietnamese American students