Thuong Tran
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Northeastern University
Bachelor of Science in Computer Engineering | Dean's List
- Coursework : Computing Fundamentals, Differential Equations, Circuits/Signals, Embedded Design, Fundamentals of Networks, Fundamental of Linear Systems, Fundamental of Engineering Algorithms, Computer Architecture

WORK EXPERIENCE

Novo Nordisk   **August 2023 - December 2023**
IT Associate Co-op   **Boston, MA**
- Resolved and monitored over 40 onboarding and offboarding processes
- Conducted comprehensive testing of computers with newly established network connections to ensure optimal performance.
- Utilized PowerShell to migrate the Master Vendor List to the company's new database
- Effectively oversaw daily ticket management, prioritized critical needs, and delivered support in the absence of the manager

Tan Niem Tin Distribution Corps   **May 2022 - June 2022**
IT intern   **Ho Chi Minh City, Vietnam**
- Worked with the Technical Chief in monitoring LAN network activities and refining networking equipment
- Demonstrated excellent onsite customer service skills
- Assisted customers in setting up warranty cards
- Provided technical support for colleagues by resolving any IT-related problems and installing/upgrading software

PROJECTS

ChessLink   **January 2025 - April 2025**
- Developed a Cloudflare-backed API and database system to securely store and sync chess game states, and session metadata.
- Designed a responsive Flutter UI in Dart for Android, enabling connection with Bluetooth and Wi-Fi connectivity to the physical board.
- Programmed Arduino Giga R1 WiFi microcontroller to detect piece movement, communicate with the cloud API, and control LED feedback for move validation.
- Engineered the board's hardware for piece detection, including buttons and magnetic sensors.

NuConnect   **October 2024 - December 2024**
- Built RESTful endpoints and integrated SQL queries to fetch and update data with secure access control.
- Using Streamlit and Flask APIs, enabling real-time data rendering for features like filtered job search, live application status updates, and community interaction tools to enhance user engagement and system functionality.
- Containerized the application with Docker for consistent development environments and deployment across local and cloud infrastructure.

Robotic Arms   **October 2022 - December 2022**
- Developed schematic designs on Quartus for robotic arm utilizing PWM signals by modifying pulse wave's duty cycle
- Generated control device for robotic arm on DE1-SoC digital board and incorporated a "save pattern" function on the robotic arm to repeat an action in a cyclical pattern
- Documented developing phrase and presented final product with 100% mark on demo presentation

SKILLS

- Programming Languages: C++, Python, MATLAB, PowerShell, Dart
- Software & Frameworks: AutoCAD, SOLIDWORKS, Quartus Lite, Flutter, Flask, Streamlit, REST APIs, Docker, SQL, Git, Cloudflare
- Languages: Intermediate Mandarin, Native Vietnamese, Fluent English
- Hobbies: Running, Fanfictions, Wuxia Novels, Limbus Company