THIEN NGUYEN

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WORK EXPERIENCE

Web Specialist - Department of Bioengineering, The Erik Jonsson School of Engineering and Computer Science at UT Dallas **Richardson, TX**
Part-time - Jira, WordPress, Vanilla HTML, CSS, JavaScript, Photoshop, Dreamweaver *Jun 2024 - Present*

- Led the technical development and implementation of website redesigns, improving overall site functionality and achieving a 15% reduction in bounce rate.
- Collaborated with the design team to enhance the visual layout and user interface, increasing engagement by 15% and reducing page load times by 25%.
- Conducted user testing sessions on new website features, resulting in a 25% decrease in customer complaints and an increase of 20% in overall user satisfaction.
- Collaborated with professors to revamp 3 lab websites, incorporating user-friendly navigation features and optimizing mobile responsiveness, resulting in a 40% increase in website traffic and engagement.

LEADERSHIP EXPERIENCE

President - UTD VINCEF – Vietnamese International Network of Culture, Education, and Friendship **Richardson, TX**
Volunteer *May 2023 – Jun 2024*

- Led a 6-member executive team in managing strategic initiatives and programming for a growing 60+ member cultural group, forging 5+ partnerships and orchestrating an 80+ person Vietnamese Lunar New Year gala, boosting event participation by 20%.
- Spearheaded the review and approval process for mission-aligned allocation plans for a $10,000 budget, ensuring prudent utilization of funds by the executive committee.
- Collaborated with key stakeholders to streamline internal processes and improve communication channels within the organization, leading to a 15% increase in member engagement and overall satisfaction.

EDUCATION

The University of Texas at Dallas **Richardson, TX**
Master of Science Major in Computer Science *August 2024 – Expected May 2026*
Coursework: Database Systems, Artificial Intelligence, Web Programming Language, Machine Learning, Statistical Methods for Data Science

The University of Texas at Dallas **Richardson, TX**
Bachelor of Science Major in Computer Science *January 2021 – August 2024*

Houston Community College **Houston, TX**
Associate of Science Major in Computer Science *August 2018 - August 2021*

CERTIFICATE

The University of Texas at Dallas – Fullstack Academy **Richardson, TX**
Data Analytics Bootcamp Certificate *Earned October 2022*

TECHNICAL SKILLS

- Concept: AI, ML, NLP, LLM, API, Database, Cloud Computing, Data Structures
- Programming Language: Java, Python, C/C++, SQL, R, MySQL, HTML, CSS, JavaScript, Typescript
- Databases: MySQL, MongoDB, PostgreSQL, Oracle
- Framework: React, Next.js, Node.js, PyTorch, Flask, Tailwind CSS, React Native
- Software and Tools: Git, Linux, Docker, Firebase, Google Cloud, AWS S3, Microsoft Excel, Word, PowerPoint, Tableau, Power BI

PROJECTS

Healthcare Correspondence LLM **Richardson, TX**
Group Project - *Python, Chroma DB, Llama 2, Flask API, Tesseract OCR, HTML, CSS, JavaScript* *Jan 2024 – May 2024*

- Utilized OCR, Chroma database, and LLama 2 LLM to process and store over 10,000 healthcare correspondence documents, resulting in a seamless data retrieval process for healthcare professionals.
- Implemented GPU-based inference on AWS to optimize LLM performance, decreasing response time from 2.5 minutes to 15 seconds and improving accuracy in answering user queries by 20%.
- Collaborated with team members to develop a user-friendly web interface for the Healthcare Correspondence Chatbot, streamlining document searches for healthcare professionals and reducing search time by 50%.

Brain Tumor Detection **Richardson, TX**
Undergrad Researcher - *Python, InceptionV3, ResNet, VGG, Xception, YOLOv9* *Jan 2024 – May 2024*

- Conducted a thorough evaluation of advanced machine learning techniques, including InceptionV3, ResNet, VGG, YOLOv9, GELAN, and Xception for precise brain tumor classification using MRI scans.
- Implemented an innovative ensemble model that combined InceptionV3, ResNet, and VGG classifiers to achieve an impressive accuracy rate of 95.6%, showcasing the effectiveness of utilizing multiple classifiers in medical image analysis.
- Utilized cutting-edge deep learning architectures like YOLOv9 and GELAN-C along with improved training methods to significantly enhance the accuracy of brain tumor detection on MRI scans, contributing to advancements in medical imaging technology.

MoodTunes – HackUTD X Golden Hour **Richardson, TX**
Group Project - *Python, CNN, Flask, OpenCV* *September 2023*

- Developed a comprehensive training dataset of over 50,000 facial emotion images to fine-tune convolutional neural network models, increasing accuracy to over 95%.
- Implemented a real-time feedback mechanism into the facial emotion recognition models, allowing immediate adjustments based on user interactions and detected emotions.
- Collaborated with UX designers to integrate facial emotion recognition technology into a new mobile application, resulting in a 30% increase in user engagement and retention rates.