Danny Nguyen

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SUMMARY

Driven computer science student who thrives in collaborative settings, contributing technical skills and leadership to successfully complete group-based projects.

EDUCATION

Natural Science and Mathematics, University of Houston   **May 2025**
Bachelor of Science in Computer Science   GPA: 3.5
Coursework: Data Structures and Algorithms, Operating Systems, Computer Organization & Architecture, Database Systems, Data Science & Machine Learning, Software Design, Statistics

PROJECTS

Real Estate Predictor   **February 2025**
Python, Jupyter Notebook, Pandas, Scikit-learn, Matplotlib
- Trained mathematical models to predict real estate price trends using the linear regression algorithm
- Scripted the predictive stock price model using Python, obtaining a prediction accuracy of 85.24%
- Visualized data trends and insights with Matplotlib to support findings and communicate results effectively

Interactive Game Development: https://github.com/mahmed57/spear-head-productions   **Fall 2024**
Group Based Project
- Collaborated with the team to integrate animations, character designs, and sound with gameplay mechanics.
- Tested and optimized performance for smooth character interactions and immersive sound.
- Drew and designed original characters, translating concept art into in-game assets.

University of Houston, Software Design: https://github.com/NotRichieNguyen/cosc4353grp15   **Fall 2024**
Volunteer Management Software Design
- Designed a software application to manage and optimize volunteer activities for a non-profit organization.
- Developed a volunteer history feature to track participation and performance.
- Connected large datasets to front-end and back-end systems to enhance website functionality.

Personal Web Portfolio: https://dannynguyen-cs.github.io/dannynguyen-web/   **September 2023**
Personal Project
- Developed a distinctive web interface, showcasing expertise in **HTML** and **CSS**
- Implemented interactive features using **JavaScript** to enhance user engagement
- Used **React** for structured component handling, promoting modular development and code maintainability

EXPERIENCE

Nails of America, Houston, Texas   **November 2020 – Present**
Manager
- Managed daily financial transactions using a POS system, ensuring transaction efficiency
- Sharpened critical soft skills such as customer service, time management, and decision-making
- Managed a team of technicians and receptionists while playing a pivotal role in inventory management

ACTIVITIES

Soaring Phoenix Lion Dance   **April 2023 - Present**
Operations Manager
- Acted as a role model for younger members by promoting service leadership
- Took initiative in organizing cultural performances and community events by managing logistics
- Developed leadership and teamwork skills, working collaboratively with fellow members

SKILLS

Languages: Python, Java, C++, C#, SQL, JavaScript, TypeScript HTML, CSS, R, MATLAB
Frameworks/Libraries: React, Angular, Express.js, Node.js, Jest, Flask, Django, Pandas, Spring Boot, GraphQL
Developer Tools: Git, Docker, MongoDB, CI/CD, Linux, Amazon Web Services (AWS), Google Cloud Platform