Hoang Nguyen

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Git-cpu17 (Hoang Nguyen) Ramieb/clinic-databse-and-website.github.io

EDUCATION

University of Houston, Houston, TX
Bachelor of Science, Computer Science   **Expected May 2026**

Lone Star College, Houston, Texas
Associate of Science, Computer Science   **May 2024**
GPA: 3.6

Relevant Coursework: Fundamentals of Operating Systems, Database Systems, Statistics for Science, Computer Organization, Programming Fundamentals III, Programming and Data Structure

PROJECT EXPERIENCE

Image Forgery Detection, University of Houston   Sept 2024-Dec 2024
- Developed and tested scalable image forgery detection models capable of analyzing 1,000+ images, addressing limitations of human visual inspection for large datasets.
- Implemented forensic analysis tools to identify and mitigate digital image tampering, ensuring the authenticity and integrity of digital media.

Library Management, Personal Project   Jan 2024 – March 2024
- Engineered a command-line Library Management System in Python, streamlining book cataloging and circulation processes without requiring additional installations.
- Implemented a greedy algorithm to optimize book search and management, enhancing user experience and operational efficiency.
- Adhered to best practices and licensed the project under the MIT License, facilitating seamless user adoption and modification.

SKILLS & COMPETENCIES

Programming   HTML, C, C++, Python, SQL
Technical   Replit, GitHub, MS Office, Data Processing, Front End
Language   Bilingual in English & Vietnamese

HONORS

- Dean's list of NSM University of Houston   2024-2025
- Champions Sunrise Rotary Club University Park   Aug 2023 - Aug 2024
- President's list of Lone Star University Park   Aug 2021- May 2024

ACTIVITIES

Robotics Club   Sept 2023 - Aug 2024
- Engineered a 3D material transformation system, enhancing machine performance by 30% through data-driven optimizations and error reduction.
- Developed autonomous navigation algorithms, enabling robots to efficiently clear obstacles and resolve path conflicts during transportation.