Harrison Nguyen

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EDUCATION

The University of Texas at Austin, Austin, TX — May 2027
Bachelor of Science, Computer Science

GPA: 3.88

Minor in Statistics and Data Science

Relevant Coursework: Data Structures, Discrete Math, Linear Algebra, Computer Architecture

Honors: University Honors, Bill & Melinda Gates Scholar

SKILLS

Technical Skills: Java, Python, HTML, CSS, Javascript, C (beginner)
Certifications: Entry-level Python, Autodesk Inventor

EXPERIENCE

The Gates Foundation, Phoenix, AZ — May 2024 - June 2024
Squad Leader

- Supervised various groups of brilliant, young scholars through online and in-person events
- Collaborated with foundation administrators, fellow leaders, and volunteers to ensure successful events
- Communicated unexpected issues, circumstances, and relevant questions immediately to prevent any confusion

PROJECTS

Hand Gesture Detection - Python — July 2024

- Trained YOLOv5 and YOLOv8 models for real-time object detection to provide an alternative input source
- Annotated 480 images for transfer learning data to provide sufficient angles for quicker detection
- Evaluated 4 models for 12 different hand gestures to analyze speed and accuracy

Huffman Compression - Java — April 2024

- Programmed an algorithm to encode and decode files to reduce file space by up to 40%
- Tested program for quality and effectiveness in compression and decompression

Key and Mouse Logger - Python — December 2023

- Created a key and mouse logger to automate mundane and repetitive tasks
- Utilized external libraries, inheritance, polymorphism, and recursion for functionality and efficient code structure
- Improved accessibility by utilizing Tkinter for a customized GUI

LEADERSHIP & COMMUNITY INVOLVEMENT

Texas Vietnamese Student Association, Austin, Texas — August 2023 - Present
Member

- Participated in various social events including regular meetings, extracurriculars, and volunteering activities