Wesley Hu

wesleyjhu14@gmail.com | +1 703 640 4731 | wessite.pages.dev | linkedin.com/in/WesleyJHu
github.com/weswes2EPYC | US Citizen

Education

Georgia Institute of Technology, BS in Computer Science, Sophomore — Aug 2023 – Present

- GPA: 3.88/4.0
- **Coursework:** Data Structures, Algorithms, Computer Organization and Programming, Objects and Design, Linear Algebra With Abstract Vector Spaces, Databases

Experience

Machine Learning Specialist, thnkrAI – Remote — Sep 2023 - Present

- Created JavaScript (NodeJS) web scrapers to gather data from large online retailers the likes of Amazon.
- Created custom trained transformer models on collected data for price prediction.

Software Engineer, Experimental Flights VIP – Georgia Tech — Jan 2024 - May 2024

- Worked in the Inventory Management sub-team using drones to autonomously track inventory in warehouses.
- Created constraints and features drone should have to effectively track inventory while doubling as a mobile surveillance system.
- Created an automatic bar code and QR code scanner for DJI Tello drones and basic flight paths.
- Wrote a Python script that connects to Tello drones allowing for manual control while streaming a video feed.

Administrative Intern, Interstate Moving | Relocation | Logistics – Springfield, VA — May 2023 - Aug 2023

- Key member in the hiring and firing process and worked with VDOT and US DOT to enforce safety regulations.
- I used Java to automate company tasks and projects, saving weeks' worth of work.

Publications

Transfer Learning of Histology Slides Improved CNN Performance on Lung Cancer by Pretraining on Colon Cancer — Mar 2022

Wesley Hu

10.47611/harp.136

Projects

CipherAI — cipherai.dev

- Used Javascript (React JS) and Typescript to create a technical interview preparation tool through Buildspace.
- Built-in chat-bot acts as an interviewer who asks follow-up questions, analyzes user performance, and drop hints.

Colorspace Change of Basis

- Used linear algebra concepts in NumPy to change the RGB basis of an image and uses least squares solution when less than three colors form the basis.
- Allowed for unique image filters and bring out previously unnoticeable details down to the pixel level.

Technologies

Languages: Python, Java, JavaScript(NodeJS, ReactJS), Typescript, HTML, CSS, SQL, C++, Assembly
Machine Learning: CNN, LLM, Transfer Learning, OpenCV, TensorFlow, PyTorch, SkLearn, Numpy, Pandas, CUDA
IDE: Visual Studio Code, PyCharm, IntelliJ, Jupyter Notebook
Software: Docker Compose, MySQL, MongoDB, Autodesk Inventor, Autodesk Fusion 360
Hardware: Breadboard, Arduino, Raspberry Pi, Programmable Drones, Computer Components, Overclocking
Cloud Development Platform: AWS, Cloudflare, Firebase, GitHub