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 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 for the drone to follow.
- Wrote a 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

- Enforced safety regulations and worked with VDOT, US DOT, and employees to update vehicle inspections.
- Key member in the hiring and firing process of employees.
- I used Python and Java to automate company tasks and projects allowing me to complete projects and tasks weeks in advance.

Publications

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

Wesley Hu

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Projects

CipherAI — cipherai.dev

- Used Javascript 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 to change the RGB basis of an image and uses least squares solution when less than three colors form the basis.

Technologies

Languages: C++, Assembly, Java, JavaScript, Typescript, HTML, CSS, Python, SQL, MongoDB

Machine Learning: CNN, Transfer Learning, OpenCV, TensorFlow, PyTorch, SkLearn, Numpy, Pandas, CUDA

Hardware: Breadboard, Arduino, Raspberry Pi, Programmable Drones, Computer Components, Overclocking

IDE and CI/CD: Visual Studio Code, PyCharm, IntelliJ, Jupyter Notebook, GitHub