HAOXUAN LI

Los Angeles, CA

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Professional Summary

Dynamic and results-driven Computer Engineering graduate with specialized expertise in **cloud-based technologies** and **computer networking**. Proven experience in designing, deploying, and optimizing complex systems through hands-on projects, utilizing **AWS cloud infrastructure**, **Python**, and **networking protocols**. Eager to contribute to innovative solutions while collaborating with seasoned professionals to expand technical knowledge and deliver impactful results. Seeking a role to leverage my expertise in **cloud computing**, **automation**, and **network engineering** to drive efficiency and growth.

Experience

Lockheed Martin Corporation Rotary Mission Systems　　　　　　　　**June 2024 – August 2024**
Systems Engineering Intern　　　　　　　　　　　　　　　　　　　　*King of Prussia, Pennsylvania*
- Configured enterprise-grade servers through an HTTP proxy to update **Bash** shell scripts, improving system functionality
- Optimized server networking and hardware allocation using **GRUB** and **Linux**, reducing team downtime and increasing efficiency in server operations.
- Developed a **RAG**-as-a-service solution on a proprietary cloud-based **IaaS**/**PaaS** using **RESTful APIs**, which processed 200,000+ wildfire data entries from **AWS S3**, significantly enhancing data accessibility and user interaction.
- Automated financial data processing for monthly reports with **Python**, saving 20 hours per week in manual labor and $100,000 worth of funding.

Lockheed Martin Corporation Aeronautics　　　　　　　　　　　**June 2023 – August 2023**
Network Engineering Intern　　　　　　　　　　　　　　　　　　　　　　*Fort Worth, Texas*
- Implemented a network solution using multiple Raspberry PIs integrated via **TCP** connections, employing **C**, enhanced data synchronization utilizing **SSH**-based Rsync/Lsync in Linux environments.
- Designed and implemented an IoT test bench using LoRa **wireless technology**, optimizing system navigation and **synchronization** for aerospace applications.
- Produced detailed documentation and system diagrams for test bench setup, benefiting a collaboration group of 30+ engineers.

Projects

Cloud Resume | *AWS S3, CloudFront, Route 53, DynamoDB, Lambda, API Gateway, IAM*　　**July 2024 – Present**
- Built and deployed a serverless resume website using **AWS** services including S3 for static site hosting, CloudFront for content distribution and **HTTPS**, and Route 53 for **DNS** management.
- Developed a visitor counter using **JavaScript** on the frontend, with a backend powered by API Gateway, AWS Lambda, and DynamoDB for **data storage** and retrieval.
- Established **CI/CD** pipelines with **GitHub** Actions through **YAML** to automate testing and deployment of both frontend (S3, CloudFront) and backend (Lambda, API Gateway) components.

Amazon Text & Image Product Classification | *Pytorch, Tensorflow, Keras, Pandas*　**January 2024 – March 2024**
- Parsed, split, and cleaned 143.7 million reviews and metadata worth of publicly available Amazon product information efficiently with Pandas.
- Built upon highly-effective image recognition models such as Inceptionv3 by leveraging additional hyper-specialized CNN layers via Tensorflow and producing 60%+ accuracy.
- Developed and compared several text-tokenization models ranging from CNNs, LTSM, to Transformers on product descriptions and reviews to produce 80%+ accuracy.
- Created ensembled/stacked models through weighted averaged of our output resulting in at most 3% increase in accuracy.

Skills

Languages: Python, Java, Javascript, HTML, CSS, C, C++, Go, Bash
Developer Tools: AWS (S3, EC2, Route 53, DynamoDB, Lambda, API Gateway, IAM, CloudFormation, CloudWatch), Git, CI/CD, Linux/Unix, React, NodeJS, APIs, Jenkins, Docker, Kubernetes, Terraform, Agile, SDLC
Certifications: AWS Cloud Practitioner Essentials, Secret Clearance

Education

University of California Los Angeles (UCLA)　　　　　　　　　　　　　　**Jun 2025**
Bachelor of Science in Computer Engineering　　　　　　　　　　　　　　*Los Angeles, California*