Haoxuan Li

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Professional Summary

Enthusiastic and highly motivated computer engineering graduate with a passion for computer networking and AI/ML technologies in the cloud. Experienced with computer networking fundamentals with multiple hands-on projects with ML languages. In seek of a role where I can grow and learn from experienced team members while drawing on my previous successful projects and experiences.

Experience

Lockheed Martin Corporation: Rotary Mission Systems **June 2024 – August 2024**
Systems Engineering Intern *King of Prussia, Pennsylvania*

- Initiated efforts to improve and revise 30% of legacy documentation on 5G O-RAN server setup on Confluence/Jira.
- Spearheaded an effort to automatize formatting of financial data across 12 months in order to minimize manual efforts worth 20+ hours of company subsidizes weekly.
- Developed dependency filtering capabilities in Tableau deliverable road mapping projects to improve managerial efficiency by 20%.

Lockheed Martin Corporation: Aeronautics **June 2023 – August 2023**
Network Engineering Intern *Fort Worth, Texas*

- Initiated efforts in demonstrating a plausible IOT testbench utilizing LoRa ranging links to synchronize and optimize navigation systems.
- Delivered a robust documentation of testbench setup for a team of 30+ engineers.
- Created a 6 Raspberry PI based implementation of the range network using TCP connections written in C/C++ and connected via SSH based Rsync/Lsyncd.

Projects

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 averageds of our output resulting in at most 3% increase in accuracy.

Bruin Baño | *React, JavaScript, HTML, CSS* **January 2023 – March 2023**

- Developed frontend and backend communication to facilitate dynamic pages and updates from live populating reviews.
- Collaborated with a team of 5 to work collaboratively through organization tools such as Git and GitHub.
- Designed and customized functional search and constraint features to guide users towards their preferred results.

Technical Skills

Languages: C/C++, Python (numpy, pandas, tensorflow, pytorch), Linux (ubuntu)
Developer Tools: Git, Tableau, Confluence
Certifications: AWS Cloud Practitioner Essentials

Leadership / Extracurricular

Formula Society of Automotive Engineers, Bruin Racing (FSAE) **Fall 2022 – Summer 2023**
Low Voltage Responsibility Engineer and Researcher *University of California Los Angeles*

- Research and develop electrical safety systems to be implemented on the Mark IX electric rendition of the Formula car.
- Organized, delegated, and complied weekly assignments in order to spearhead the fabrication of vital circuits to pass technical inspection.

Education

University of California Los Angeles (UCLA) **Sep. 2021 – Jun 2025**
Bachelor of Science in Computer Engineering *Los Angeles, California*