

Leo Wang

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I'm a fast learner, and I'm full of energy. I have a growth mindset and a bias towards action. No doubt that there should be a matching position from your company. Appreciate your great support.

EDUCATION

University of Southern California <i>MS in Computer Science</i>	08/2024 — 05/2026
University of Virginia <i>BS in Computer Science, GPA 3.9/4.0, Graduated with Highest Distinction</i>	08/2019 — 05/2023

PROJECT EXPERIENCES

USC Course Checkout Bot • Register every 40s on USC's system with javascript. 20 organic users on google chrome extension store.	08/2024
LLM Trainings • Train a Transformer model from <u>nanoGPT</u> , on a cluster of 8 A100 GPUs using DDP, on my 2MB diary of 9 years. • Fine-tuned flan-t5 on DialogSum using LoRA and evaluated with ROUGH metric.	06/2024
GetOffGrounds.com • Built a student apartment review map for UVA. Ideate, validate, design, prototype, iterate. • Rallied 100+ reviews. Interviewed 40+ real users over <u>Reddit</u> , Discord, GroupMe, phone, and in person. • Designed full stack architecture, using AWS, GitHub, Google Maps API, React, Vite, Tailwindcss, Flask.	01/2024 — 05/2024
OpenAI GPTs Store Bot • Created an echo back <u>bot</u> on OpenAI's GPT store using few shot in context learning. • Found <u>product-market-fit</u> on reddit. 500+ users .	02/2024
Electronvolt • Designed an open source PyPI <u>package</u> with 133k total downloads for physical quantities calculations.	10/2020 — Current

WORK EXPERIENCES

IBM <i>Machine Learning Intern</i> • Leveraged DeepSeek Coder V2 to generate CAPL test scripts for automobile parts testing, from natural language test case descriptions. Leveraged vector database to retrieve samples for in context learning and improved code usability by 15%.	05/2024 — 08/2024 <i>Beijing, China</i>
Amazon <i>Machine Learning Engineer</i> • Fine tuned an Amazon Bedrock agent to automate eeroOS image rebuilds and generate OSS reports. • Analyzed traffic data from 15 million devices using Google Looker and LookML. Used regression models, isolation forests, and K means to predict network congestion for channel switching and detect anomalies for security alerts.	07/2023 — 01/2024 <i>San Francisco, CA</i>
Amazon <i>Software Engineer Intern</i> • Analyzed SSID scan data to improve Wi-Fi channel selection of routers for Fire TV using pandas and splunk. • Built two real time dashboards from 5 million scans per day using Splunk's search processing language.	05/2022 — 08/2022 <i>Sunnyvale, CA</i>
SimVQA, vislang and MIT-IBM Watson AI Lab <i>Undergraduate Researcher</i> • Generated 100k synthetic images with QA pairs using ThreeDWorld and Hypersim for VQA data augmentation. • Fine-tuned Lxmert architecture for visual question answering using PyTorch on GPU servers. • Published on CVPR 2022. SimVQA: Exploring Simulated Environments for Visual Question Answering	05/2021 — 05/2022 <i>Charlottesville, VA</i>

SKILLS & INTERESTS

Skills: Hugging Face, LLM, Fine Tuning, Python, Shell, C++, Databricks, HTML, Snowflake, NLP, Java, PyTorch, Git, Golang, Tableau, Numpy (Contribution PR #21118), Splunk, AWS, Jenkins, JavaScript, Jupyter Notebook, Flask, Nginx, Tailwindcss, Vite, React, Linear Algebra