

Andrew Wu

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EDUCATION

The University of Texas at Austin <i>Integrated 5-year BS/MS in Computer Science (BS GPA 3.9, MS GPA 3.9)</i>	Austin, TX <i>August 2019 - May 2024</i>
• Relevant coursework: Natural Language Processing, Robot Learning, Distributed Computing, Network Security, Software Engineering, Boolean Analysis, Communication Complexity	

EXPERIENCE

Personal Illness and Spiritual Journey • Personally, the most formative time for me.	March 2024-October 2025, October 2025-August 2026
AI/ML Engineer Intern <i>Zadar Labs</i>	May 2023 – August 2023 <i>San Jose, CA</i>
• Overhauled a camera-radar object depth completion algorithm achieving a 10x speed improvement with real-time performance at up to 180 FPS, completed for tight demo deadlines. • Initiated and edited product photos and videos, resulting in the first company LinkedIn posts and several new videos with 100,000+ impressions.	
Software Development Engineer Intern <i>Amazon</i>	May 2022 – August 2022 <i>Santa Clara, CA</i>
• Designed and iterated the first prototypes for a new customer-facing tool for automatic Docker container generation for Machine Learning workloads. • Created workflow to automatically detect on premise third-party packages and version sets, porting it to AWS EC2 and AWS SageMaker.	
Research and Development Intern <i>Sandia National Laboratories</i>	May 2021 – August 2021 <i>Albuquerque, NM</i>
• Developed a real-time embedded gamma ray sensing subsystem to determine anomalous radioisotope events via ensemble nets on a Pi with RabbitMQ and PostgreSQL.	

PROJECTS

LoRA Reproduction Study Python, Pytorch	Spring 2024
• Finetuned and evaluated RoBERTA with a from scratch LoRA, LoRA-FA, DoRA, VeRA, QLoRA, and custom variants on GLUE to benchmark LoRA variants.	
Distributed Key-Value Store Python, Kubertnes	Fall 2023
• Strongly consistent primary-backup KVStore with per-key locking and heartbeating for failures.	
WeLikeSportz.Me Python, JavaScript, PostgreSQL, Selenium, AWS, Docker	Fall 2021
• Led and designed a backend Flask service providing dynamic, live sports team information via RESTful API by caching web scrapes and using multiple APIs (Youtube, Wikiedia, SportsDB, and Back4App).	