Kevin Kim

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SKILLS	
Languages: Python JavaScript TypeScript Java C++ Rust (basic)	AI/ML: PyTorch LangChain MixtralAI VertexAI OpenAI API
Data Analysis: Tableau MATLAB Jupyter	Databases: SQL Supabase MongoDB MariaDB MySQL
Development: React.js Node.js Express.js Flask SQL	Other Tech Skills: Linux Docker Bash Jupyter Notebook Zenmap (basic) UAV Piloting
EDUCATION	
University of Southern California	Los Angeles, CA
Computer Science B.S. Applied and Computational Mathematic	cs B.S. Expected Graduation Date: December 2025
☐ SC AI Safety Undergraduate Association for Linguistics Hac	kSC American Association for Computing Machinery
WORK EXPERIENCE	
RadicalX	Remote
AI/ML Engineer Intern	September 2023 - December 2023
☐ Fine-tuned RadicalX's anti-cheat system using QLoRA and RI☐ Engineered the TeachMeBot with Llamma2 LLM and soft pro☐ Collected chat data with data mining and trained the Llama2 r☐ Developed AI-NPC (non-payable character) models with Botp☐ Created a systematic approach to my team's workflow using G	mpting nodel for chat filtering ress and inworld.ai
HackSC	Los Angeles, CA
Product Engineer Backend Developer	August 2023 - Present
☐ Engineered and deployed scalable web platforms used in USC ☐ Developed an automated judging portal for hackathon events if ☐ Utilized Node.js to extract data from REST API , and used Pos ☐ Maintained backend integrity through Supabase and developed	that displays and updated rankings of participants in real-time. stman and Jest to validate its functionality comprehensively.
Roborisen	Silicon Valley, CA
AI Engineer Intern	May 2022 - September 2022
 □ Designed the product manual for the Ping Pong AI Bot® which competency in Jupyter Notebook. □ Participated in weekly developer meetings to gain insight on To (MobileNet + KNN). □ Developed a tutorial module for product users, a Rock Paper Set 	ransfer Learning and the product's classification model
RESEARCH	
Effective LoRA fine tuning on Bloom (Continued work with	VeRA) Los Angeles, CA
Primary Author Advisor: Willie Neiswanger, Ph.D	September 2023 - Present
☐ Analyze the effectiveness of LoRa on Bloom using hyper parar ☐ Explore various regression methods that minimizes loss while ☐ Continued work on the vector-based random adaptation model	maintaining the same cost.
Red Teaming with LLMs	Los Angeles, CA
Contributing Author Researcher Advisor: Joshua Clymer, Owen Yeung, Rokas Gipiškis	August 2023 - December 2023
☐ Generated natural adversarial examples (Nadvexes) which could Characterized the spaces of natural adversarial examples in the ☐ Explored gradient-free replacement methods for traditional LL	context of a white-box approach.
Dining Hall Food Waste Reduction with Yolov3	Deerfield, MA
Project Lead Primary Author Advisor: Samuel Leitermann-Long, Aiden Carroll	September 2020 - May 2022
☐ Engineered a computer vision system that analyzes and predict ☐ Collected 5 TB worth of image data and trained a computer vis	

☐ Fine tuned the Yolov3 model with streamlined data over the course of 2 months. ☐ Provided the dining hall with streamlined weekly reports on waste predictions and over/under producible menus.			
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CERTIFICATIONS / NOTABLE COURSEWORK			
Google Machine Learning Engineer Professional Certificate (Expected Acquisition Date: March, 2024)	Data Science with Python (MATH 446, USC) Fall 2023, Prof. Guillaume Dreyer		

USA Coding Olympiad Gold Division Qualifier

January 2023