

# Lily Chen

San Francisco, USA

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## Education

Stanford University

Master of Science in Artificial Intelligence

Sep 2019 – Jun 2021 | Stanford, CA, USA

GPA: 3.94/4.0

Activities: AI Ethics Committee, Teaching Assistant for Deep Learning, Women in AI Mentorship Program

Relevant Coursework: Natural Language Processing, Computer Vision, Reinforcement Learning, Deep Learning, Neural Networks, Probabilistic Graphical Models, AI Ethics

Bachelor's Degree: B.S. Computer Science, UC Berkeley, GPA: 3.9/4.0

## Work Experience

AI Research Scientist | OpenAI | Jul 2021 - Present | San Francisco, USA

- Conducted research on large language models, contributing to improved reasoning capabilities and factuality.
- Developed techniques for model alignment and safety, reducing harmful outputs by 65%.
- Published 5 papers in top AI conferences (NeurIPS, ICML, ACL) advancing state-of-the-art in language model evaluation.
- Created novel fine-tuning methodologies that improved task-specific performance by 25% while using 40% less compute.

## Skills

AI/ML: Deep Learning, Transformer Models, Reinforcement Learning, Transfer Learning, Few-Shot Learning

Frameworks: PyTorch, TensorFlow, JAX, Hugging Face, Scikit-learn, SpaCy

NLP: Large Language Models, BERT/GPT architectures, Token Classification, Machine Translation, Text Generation

Data: Data Cleaning, Feature Engineering, Dataset Creation, Data Augmentation,

Annotation Tools

Evaluation: Model Evaluation Metrics, Interpretability Methods, Bias Detection, Benchmarking

Compute: Distributed Training, Mixed Precision, Model Parallelism, GPU/TPU Optimization

Other: Research Methodology, Paper Writing, Ethics in AI, Alignment Techniques, Model Deployment

## **Certificates**

DeepLearning.AI Specialization

NVIDIA Deep Learning Institute: Advanced AI

Google Cloud Professional Machine Learning Engineer

Stanford Advanced NLP Certification

## **Awards**

Best Paper Award – NeurIPS 2023

AI Researcher of the Year – San Francisco AI Society 2022

ACM SIGAI Doctoral Dissertation Award Honorable Mention 2021