

# Alvin Wan

OpenAI research scientist optimizing inference for Large Language Models

## University of California, Berkeley

**Ph.D. in Computer Science** · [4k+ citations](#) · [1.8k+ stars](#) · NSF GRFP 2018<sup>1</sup> 2018 - 2022

**B.S. in Electrical Engineering and Computer Science** · 3.81 Major GPA 2014 - 2018

Samuel Silver Memorial Award ('18), Summer Undergraduate Research Fellowship ('17),  
Leadership Award ('16), Dean's Honor List ('16), Regents' and Chancellor's Scholarship ('14)

**Lecturer 2x, Head Student Instructor 6x** · 4.83 / 5.00 rating 2015 - 2021

Taught Machine Learning, Discrete Mathematics, Data Science. Managed 70+ person staffs  
serving 500-1100 students. Wrote [math](#), [probability](#), [compsci](#) booklets (10k+ downloads)

## OpenAI

**Member of Technical Staff** Oct '24 - now

Deployed multimodal inference optimizations for OpenAI's largest model to date, [GPT 4.5](#).  
Enabled doubled context length for [GPT 4.1](#).

## Apple

**Senior Research Scientist** May '22 - Oct '24

Trained and deployed [Apple Intelligence](#)'s first low-precision foundation models. Deployed  
M\*-specific optimizations. Facilitated internships, UC Berkeley sponsorship. [ICML'23](#)

## Tesla *AutoPilot*

**AI Intern** Mar - Aug '21

Trained and deployed two of Tesla's first FSD radar-less perception models to millions of  
cars, improving safety-critical kinematics predictions for pedestrians, cyclists etc.

## Facebook *Reality Labs*

**Research Intern** - Neural Architecture Search, [FBNetV2](#), [FBNetV3](#) @ CVPR May '19 - Mar '21

**Software Engineering Intern** - Halved media requests for Android messenger May - Aug '16

## Startups

- **Full-Time** Machine Learning Engineer at REX Homes May '18 - Aug '21
- Machine Learning Intern at DeepScale (*acquired by Tesla*) May - Aug '17
- Software Engineering Intern at Getexp May - Aug '15

## International Awards

- Microsoft Imagine Cup "Big Data" World Finals Top 6 Finalists (2018, of 40k+ entrants, 200+ countries)
- Rookies Co. "Web and Mobile" Int'l Top 16 Semifinalist (2017, ~9k entries, 80+ countries)
- Adobe Design Achievement Awards "Social Impact" Int'l Semifinalist (2017, 2018, ~7k entrants)

---

<sup>1</sup> One of 20 nation-wide recipients for Machine Learning, representing ~0.1% of 12,000+ applicants.