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Personal Webpage
Google Scholar

Summary

I have over 14 years of experience delivering large-scale AI solutions and leading multi-year technology strategies. I've spent more than seven years managing research and engineering teams across multiple sites, driving innovation and impact in AI.

Work Experience

Principal AI Scientist

Mountain View, CA.

Established and currently leading a team of over 50 AI scientists and engineers to train and operationalize an LLM-based foundational model for LinkedIn's large-scale personalization tasks.

LinkedIn Core AI

Jun 2023 - Present

Sr. Staff AI Scientist

Menlo Park, CA.

Leading a medium-sized team of research scientists and software engineers. Our mission is to advance AI technologies to improve users' (safe) experience in the Family of Apps. My team builds multimodal foundational models and services used across 200+ Meta integrity products.

Meta AI

May 2018 - Jun 2023

Staff Machine Learning Engineer

Mountain View, CA.

Leading LinkedIn Ads Sponsored Update relevance team (five engineers, one analyst, one PM).

LinkedIn AI

Jan 2016 - May 2018

Staff Tech Lead Manager

Mountain View, CA.

Leading a four-engineer group that is responsible for predicting sales attributes (dollar amount, closed date, and the closing probability) and the possibility of churn. Media Coverage

Base CRM (acquired by Zendesk)

Dec 2014 - Jan 2016

Sr. Machine Learning Engineer

Santa Clara, CA.

Building an early warning system based on time series data that provides diagnosis and prognosis of large industrial machines.

Falconry (acquired by IFS)

Jan 2012 - Dec 2014

Career Highlights

- [LinkedIn Core AI] Developed a foundational model with 200B+ parameters using LLM technology, incorporating pre-training, instruction fine-tuning, and alignment techniques, to streamline over 100 personalization and prediction tasks (including Job recommendation and Feed recommendation) across LinkedIn products while reducing its cost of serving by 100x [Tech report 1]
 - [Meta AI] Built and scaled up a multi-billion parameter horizontal AI model for understanding complex business entities (e.g., pages, accounts) for Meta integrity products. The service is based on a deep Transformer model and serves tens of billions of queries per day across all Meta surfaces (feed, ads, shops, marketplace) [media coverage: link1, link2].
 - [Meta AI] Led a global team of +20 people with cross-functionalities (RS, DS, PM, Comms, Legal, Privacy) across Meta AI to build, release, and publicize hateful memes dataset, the first dataset released from Meta based on internal data. We launched a first-of-its-kind online competition with \$100k total prize pool as part of NeurIPS'20 that attracted over 3,300 participants from around the world. [media coverage: link1, link2]
 - [Meta AI] Led the immediate team and the extended team of 25 engineers across 4 orgs (AI, Infra, platform, and news feed) to enable an internal AI framework for multimodal modeling. With 500+ monthly active developers, the framework is used across Meta to rapidly create and deploy domain-specific multimodal models (e.g., search, hate speech, feed). These models can holistically understand content across images, text, comments, etc. [media Coverage]
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Education

**Electrical Engineering,
University of Washington,**
Seattle, WA.

Ph.D.

2008-2012