Hamed Firooz

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Summary

I have over 14 years of post-PhD experience delivering large-scale AI technologies and leading multi-year AI strategies. For more than seven years, I have managed research and engineering teams across multiple sites, consistently driving innovation and impact in the field of AI.

Work Experience

Principal AI Scientist — **LinkedIn Core AI**
Mountain View, CA. — Jun 2023 - Present
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.

Sr. Staff AI Scientist — **Meta AI**
Menlo Park, CA. — May 2018 - Jun 2023
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.

Staff Machine Learning Engineer — **LinkedIn AI**
Mountain View, CA. — Jan 2016 - May 2018
Leading LinkedIn Ads Sponsored Update relevance team (five engineers, one analyst, one PM).

Staff Tech Lead Manager — **Base CRM (acquired by Zendesk)**
Mountain View, CA. — Dec 2014 - Jan 2016
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

Sr. Machine Learning Engineer — **Falkonry (acquired by IFS)**
Santa Clara, CA. — Jan 2012 - Dec 2014
Building an early warning system based on time series data that provides diagnosis and prognosis of large industrial machines.

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][Tech report 2]
- [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]

Education

Electrical Engineering, — Ph.D.
University of Washington,
Seattle, WA. — **2008-2012**