Contact

www.linkedin.com/in/andrewyng (LinkedIn)
www.coursera.org (Company)
www.cs.stanford.edu/~ang/ (Personal)

Top Skills

Education
Educational Technology
Machine Learning

Andrew Ng

Founder of DeepLearning.AI; Managing General Partner of AI Fund; Exec Chairman of LandingAI
Palo Alto, California, United States

Summary

Personal home page: http://andrewng.org

Experience

DeepLearning.AI

Founder
June 2017 - Present (8 years 7 months)
Palo Alto, California, United States

DeepLearning.AI provides technical training on Generative AI, Machine Learning, Deep Learning, and other topics. We also offer a widely read newsletter, The Batch (thebatch.ai), that covers what matters in AI right now.

Our courses are often created with industry-leading AI companies (AWS, Google, OpenAI, etc.), and we offer both short courses that can be completed in an hour, and longer courses and specializations hosted on Coursera that give you a solid foundation in some aspect of AI. These courses are designed to offer hands-on practice with AI technologies, and you will gain practical, job-ready skills.

Whether you are just starting out in AI or seeking to further an existing career, come see if we can help, at http://deeplearning.ai!

AI Fund

Managing General Partner
January 2018 - Present (8 years)

AI Fund is a venture studio that partners with entrepreneurs to build AI companies that move humanity forward. We don't just provide capital, we actively help build the company: we seek to play at least a minor co-founder role in the companies we engage in.

After identifying a concrete startup idea, we actively help the founder validate both customer need and technical feasibility (often collaborating to build a

technical prototype), help shape the AI technology roadmap, the go-to-market, and help recruit the key leaders, including the AI engineering team.

Because AI is a general purpose technology that can be applied to numerous sectors -- including ones that we at AI Fund don't have expertise in -- we partner with subject matter experts (SMEs) in logistics, healthcare, education, relationships, finance, and other sectors. By leveraging our AI expertise and the SME's expertise in an important application sector, we can build a promising AI business in that sector.

We take responsible AI seriously and will, on ethical grounds, choose not to pursue projects that we otherwise assess to be financially sound.

LandingAI
Executive Chairman (previously CEO)
October 2017 - Present (8 years 3 months)
Palo Alto, California

LandingAI delivers cutting-edge Visual AI solutions that empower customers to unlock the value of visual data.

Enabled by the transformer neural network (created by the Google Brain team), the Generative AI revolution has arrived in text processing. We see a similar a revolution coming in visual data processing. LandingAI is developing cutting-edge technologies to help customers process visual data in numerous sectors including manufacturing, industrial automation, life sciences, agriculture, geo-spatial imagery, retail, entertainment, and many others.

Key technical innovations include our open source VisualAgent, Data-centric AI (the discipline of systematically engineering data to build an AI system), Vision Prompting, and domain-specific Large Vision Models.

Coursera
Co-Founder and Chairman
January 2012 - Present (14 years)
Mountain View, CA

Coursera (NYSE: COUR) envisions a world where anyone, anywhere has the power to transform their lives through learning. Coursera had started with my Machine Learning class and a nascent online education product I had built at Stanford. I served as the company's Co-CEO in the early years with day-to-day responsibility for product, engineering, sales, marketing

and operations, and remain Chairman of the company today. Coursera now has over 100M learners, and we partner with more than 275 leading universities and companies to bring flexible, affordable, job-relevant online learning to individuals and organizations. Coursera's offerings include courses, specializations, job-ready professional certificates and degree programs. http://coursera.org

Stanford University
Adjunct Professor of Computer Science
September 2002 - Present (23 years 4 months)

I was the Director of the Stanford AI Lab (https://ai.stanford.edu/), home to 20+ faculty members and research groups, and a tenured professor in Stanford's Computer Science department. More recently, I switched to an Adjunct Professor role.

My research group's work focused on AI, Deep Learning, Machine Learning and Robotics. Notable projects include early work in Deep Learning (that led to the founding of Google Brain), early work in online education (that led to the founding of Coursera), ROS (a widely used open-source robotics development platform), and work on Reinforcement Learning for robotic control (such as the Stanford autonomous helicopter). More recent efforts include applications of AI to Healthcare and to Climate Change.

drive.ai
Member of Board Of Directors
June 2017 - June 2019 (2 years 1 month)
Mountain View CA

Drive.ai built and operated a fleet of self-driving cars, and was successfully acquired by Apple.

Baidu, Inc.
Chief Scientist & VP
May 2014 - April 2017 (3 years)
Sunnyvale, CA

I led Baidu's AI Group, a 1,300 person team including 300 in Baidu Research, and was responsible for the company's AI technology and strategy. My team built Baidu up to be China's leading AI company of its time.

The AI Group delivered dozens of AI projects that significantly improved Baidu search, advertising, maps, delivery logistics, voice search, security, consumer

finance and many more. I was also responsible for initiating and launching new AI-powered businesses, such as DuerOS (a very successful conversational computer platform), Autonomous Driving (now Apollo), and others. Other major products that I was responsible for included Image Search and the Baidu keyboard (with over 100M MAU).

Google

Founder and Lead, Google Brain (Deep Learning) project

January 2011 - December 2012 (2 years)

Mountain View, CA

I started and led the Google Brain team, which helped Google transform into a modern AI company by developing advanced Deep Learning technology, and moving the company to adopt it for numerous business applications. The Google Brain team's success was the inspiration for many other companies to build up their own AI teams.

Using Google's compute infrastructure, we started by proving that scaling up data and compute leads to huge performance improvements, and also created the famous "Google Cat" demonstration of AI learning to recognize objects (such as cats) by itself. Our technology for building large scale AI models was the pre-cursor to TensorFlow, and also allowed us to take deep learning to valuable Google products including ads, speech recognition, maps, and many others. http://www.nytimes.com/2012/06/26/technology/in-a-big-network-of-computers-evidence-of-machine-learning.html

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Education

University of California, Berkeley

Doctor of Philosophy - PhD, Computer Science · (2003)

Massachusetts Institute of Technology

Master of Science - MS, Electrical Engineering and Computer Science · (1998)

Carnegie Mellon University

Bachelor of Science - BS, Math/Computer Science, Statistics and Economics (triple major) · (1997)