Contact

www.linkedin.com/in/andrej-karpathy-9a650716 (LinkedIn)
karpathy.ai/ (Personal)

Top Skills

Web Design
Machine Learning
Computer Graphics

Andrej Karpathy

Senior Director of Artifical Intelligence at Tesla
San Francisco

Summary

I like to train deep neural nets on large datasets
twitter: https://twitter.com/karpathy , webpage: https://karpathy.ai/

Experience

Tesla

3 years 3 months

Senior Director of Artifical Intelligence
January 2019 - Present (1 year 8 months)
Palo Alto

Director of Artificial Intelligence
June 2017 - January 2019 (1 year 8 months)
Palo Alto

I lead the team responsible for all neural networks of the Autopilot. The team is focused on all aspects of 1) data gathering (labeling, tooling), 2) neural network training, 3) the science of making it work (e.g. segmentation, detection, temporal prediction), and 4) their deployment in production running on our custom chip. I am just a little bit biased, but we are working on the most interesting and valuable machine learning problem out there today. Join us!

OpenAI

Research Scientist
January 2016 - June 2017 (1 year 6 months)
San Francisco Bay Area

As one of the founding members, I helped with much of the early recruiting/structuring. As a research scientist, I worked on deep learning for generative models (e.g. image generation with PixelCNN++) and deep reinforcement learning (e.g. computer controlling keyboard and mouse to accomplish various tasks on web interfaces such as filling out forms).

Stanford University

PhD student
September 2011 - September 2016 (5 years 1 month)

My PhD thesis was focused on the design of novel convolutional/recurrent neural networks and their applications in computer vision, natural language processing and their intersection. As an example, this includes the tasks of translating from images to language ("image captioning"), and conversely, image retrieval based on natural language queries.

I designed and was the primary instructor for the first deep learning class Stanford - CS 231n: Convolutional Neural Networks for Visual Recognition. The class became one of the largest at Stanford and has grown from 150 enrolled in 2015 to 330 students in 2016, and 750 students in 2017. http://cs231n.stanford.edu/

Google DeepMind
Research Intern
June 2015 - September 2015 (4 months)
London, UK

Model-based Deep Reinforcement Learning research

Google
Google Research Summer Intern
June 2013 - September 2013 (4 months)
Mountain View, CA

Supervised Deep Learning / Computer Vision for YouTube videos

Google
Google Research Summer Intern
May 2011 - September 2011 (5 months)
Mountain View, CA

Unsupervised Deep Learning / Computer Vision for YouTube videos

Education

Stanford University
PhD, Computer Science · (2011 - 2016)

The University of British Columbia
MSc, Computer Science · (2009 - 2011)

University of Toronto
BSc, Computer Science, Physics · (2005 - 2009)