Trevor Standley

Palo Alto, CA

310.963.8657 ♦ trevor.standley@gmail.com ♦ https://trevorstandley.com

https://github.com/tstandley ♦ https://www.linkedin.com/in/trevor-standley-578176152/

Overview

♦ PhD in AI from Stanford and five years of industry experience as a software engineer at Google
♦ Expertise in machine learning, NLP, large language models, computer vision, and dataset curation

Education

♦ **Stanford University**
  PhD in Computer Science (June 2023)
  Thesis title: Multi-Task Learning for Object Understanding
♦ **University of California, Los Angeles**
  M.S. in Computer Science (June 2010), *Department's Outstanding Master's Graduate*
  Thesis title: Optimal and Anytime Approximation Algorithms for Cooperative Pathfinding Problems
♦ **University of California, Berkeley**
  B.S. in Electrical Engineering and Computer Science (May 2008), With Honors

Selected Employment History

♦ **Research Intern**—Salesforce Inc, Summer 2021 and Winter 2022.
  Implemented prompt tuning and parallel training for large language models and explored techniques such as
    multi-task learning, which improved results.
♦ **Software Engineer**—Google Inc., 2010-2015.
  Google Signals: Drastically improved the performance of website classification NLP models by proposing and
    implementing active learning, leading to a team-wide strategy transition.
  Google Display Network Reserve: Launched the Google Reserve product for display ads. Built and maintained the AI
    bidding agent, which participated in auctions in real time to fulfill large ad buys.

Selected Publications (Google Scholar)

♦ Trevor Standley, Ruohan Gao, Dawn Chen, Jiajun Wu, Silvio Savarese. **An Extensible Multimodal Multi-task
  Object Dataset with Materials** In ICLR 2023 (Used multi-modal LLMs to clean and curate a large dataset).
♦ Trevor Standley, Amir R. Zamir, Dawn Chen, Leonidas Guibas, Jitendra Malik, Silvio Savarese. **Which Tasks Should
  be Learned Together in Multi-Task Learning?** In ICML 2020 (Cited over 400 times).
♦ Trevor Standley, Ozan Sener, Dawn Chen, Silvio Savarese. **image2mass: Estimating the Mass of an Object from
  Its Image** In CoRL 2017 (Oral).
♦ Trevor Standley and Richard Korf. **Complete Algorithms for Cooperative Pathfinding Problems.** In IJCAI 2011.
♦ Trevor Standley. **Finding Optimal Solutions to Cooperative Pathfinding Problems.** In AAAI, 2010.

Skills

♦ Machine Learning
♦ Large Language Models
♦ Natural Language Processing
♦ Computer Vision
♦ Computer Graphics
♦ Physics-based Animation
♦ Classical Artificial Intelligence
♦ Heuristic Search
♦ Theoretical Computer Science
♦ PyTorch (6 years)
♦ Hugging Face (3 years)
♦ Python (10 years)
♦ C++ (13 years)
♦ Java (3 years)

Awards, Honors, & Philanthropy

♦ Awarded $1000 for being UCLA's Outstanding Master's
  Student (one per graduating class)
♦ Awarded $512 in the UCLA CS department's *So You
  Think You Can Present* contest
♦ Led the winning team in Berkeley's Pac-Man AI contest
♦ Officer in Berkeley's Tau Beta Pi honor society
♦ Led Moorpark College's team in the 2005 ACM
  Programming Contest, winning $900
♦ Invited talk at Meta, August 2023
♦ Long talk at CoRL, November 2017
♦ Invited talk at USC's IDM lab, September 2015
♦ GNU Sustaining Contributor, 2011 and 2013
♦ Wikimedia Foundation Sustaining Contributor, 2011
♦ Room to Read Donor, 2012