Ananth Agarwal

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EDUCATION

Stanford University — Sept 2021 - present
Non-Degree Option Program
Coursework: Deep Multi-Task and Meta Learning (in progress), Deep Learning for Computer Vision, Natural Language Processing with Deep Learning, Machine Learning with Graphs
GPA: 4.1/4.0

University of California, Berkeley — Aug 2016 - May 2019
BS, Honors in Electrical Engineering and Computer Sciences
GPA: 3.863/4.0

WORK EXPERIENCE

Google Core Machine Learning, Software Engineer — April 2022 - present
Google Brain LaMDA training, serving, and safety infrastructure

Google Research, Software Engineer — August 2022 - present
20% time neural network compression research (distillation, quantization, etc.)

Google TV, Software Engineer — July 2019 - April 2022
User personalized content full-stack development

Amazon Web Services, Software Development Engineer Intern — May 2018 - August 2018
AWS Elemental MediaPackage team

PUBLICATIONS

Eric Mitchell, Joseph J. Noh, Siyan Li, William S. Armstrong, **Ananth Agarwal**, Patrick Liu, Chelsea Finn, and Christopher D. Manning (2022). "Enhancing Self-Consistency and Performance of Pretrained Language Models with Natural Language Inference". In: ***Oral (4% of submissions)***, *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Association for Computational Linguistics. URL: https://ericmitchell.ai/concord.pdf.

PROJECTS

Specializing Common Representations in Multi-Task Learning (in progress)
In collaboration with Christopher Fifty, Stanford PhD student

Improving Training Efficiency for Computer Vision Tasks — Paper
In collaboration with Jonathan Frankle, Chief Scientist at MosaicML

Predicting Drug-Drug Interactions using Graph Neural Networks — Medium Post
Listed as a Featured Tutorial on the Stanford CS 224W Graph ML Tutorials Medium page

TEACHING

Code In Place (CS 106A) Section Leader, Stanford University — March 2021 - May 2021

CS C100 Principles and Techniques of Data Science, UC Berkeley May 2018 - May 2019
Undergraduate student instructor and online course textbook contributor

theCoderSchool Berkeley Code Coach Jan 2017 - May 2018
Individual and group instruction teaching introductory computer science

Research Experience

FrameNet Research Apprentice, Intl. Computer Science Institute Feb 2019 - May 2019
Mentored by Dr. Collin F. Baker

Awards

Google Platforms & Ecosystems Award Honorable Mention

Team awarded both in Q3/Q4 2021 and Q1/Q2 2022 for Google TV new feature launches and substantial Android app quality improvements

Google TV Hackathon 2021 Third Place

Team received third place in a Google TV organization-wide hackathon for an innovative new feature we demoed for the Google TV platform

UC Berkeley Honor Societies

Selected for Eta Kappa Nu (EECS honor society) and Tau Beta Pi (Engineering Honor Society)