I. DAVID REIN

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WORK & RESEARCH EXPERIENCE

Model Evaluations and Threat Research (METR): Research Scientist — August 2024 - Present

- Developing the science of measuring the capabilities of AI systems.
- HCAST, Measuring AI Ability to Complete Long Tasks, Measuring the Impact of Early-2025 on Open-Source Developer Productivity

NYU: Research Scientist (Supervised by Sam Bowman) — September 2022 - Present

- ***GPQA: A Graduate-Level Google-Proof Q&A Benchmark:*** Created a widely-used AI capability benchmark
- *Debate Helps Supervise Unreliable Experts*: First positive results for AI Safety via Debate in a realistic setting.

Cohere: Member of Technical Staff — September 2020 - November 2023

- Early employee, **co-founded the Embeddings team**, scaled up contrastive learning methods

EDUCATION

Duke University — December 2021

- B.S. Computer Science, B.A. Philosophy - GPA: 3.81/4.0
- *Machine Learning (graduate level), Bayesian and Modern Statistics (graduate level), Applied Ethics, Metaphysics, Ethics and AI, Computational Microeconomics, Algorithms, Operating Systems, Computer Architecture, Science and Social Justice*

LEADERSHIP

Duke Undergraduate Machine Learning: Co-President — August 2018 - 2020

- Lead organizer of the 2019 Duke Datathon with 350+ participants; raised $20k+ in sponsorship for the event.
- Hosted ~20 speakers from leading industry and research labs for seminars and workshops; average 20-40 attendees.

Duke Effective Altruism (EA): Co-President — August 2019 - 2021

- Led and helped design the Arete Fellowship, a 12-week discussion-based program to introduce 20+ undergrads to EA.

ACTIVITIES AND SKILLS

Reinforcement Learning Implementations — May - June 2019

- Implemented REINFORCE (VPG), A2C with Generalized Advantage Estimation, and Proximal Policy Optimization.

ASA Duke DataFest: 1st Place - Best Insight Award — April 2019

- Competed in a group against 425+ undergraduate (2/3) and graduate (1/3) students from 8 universities.
- Predicted fatigue from biometric data of the Canada women's rugby 7s team with a Cox proportional hazards model.

Kenan Institute for Ethics Policy Prize in the Ethics of Emerging Tech: 2nd Place — April 2019

- Co-authored research paper on mechanics, ethics, and international policy of orbital debris and anti-satellite weaponry
- Presented paper at the 2019 Duke Conference on the Ethics of Emerging Technology.

Languages and Tools: Python, NumPy, TensorFlow, Jax, PyTorch, Scikit-Learn, Pandas