Professional Experience

Projects

Evan Ryan Gunter

Evan Ityan Gunter	
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(Stanford Existential Risk Initiative	
Long-Term Future Fund Grantee	09/23-01/24
Continuing research on distribution over training runs of KL dive	ergence from optimal NN
ML Alignment Theory Scholar advisor: Krakovna paper, slide	06/23 - 09/23
Proved theorems on stability of power-seeking for Markov decision	on process (MDP) policies with
bounded gradient on metric state spaces; developed improved forms	alization of power as optionality
for MDPs; started work on using KL divergence-based measure to	o quantify NN distribution
Granica	
Research Engineer	02/22— $07/23$
Data compression research; used black box optimization, sketch a	lgorithms, statistical modeling,
Bayesian estimation, spectral clustering, integer linear programmi	ing, singular value thresholding
Software Engineer	02/21-02/22
Configured cloud infrastructure for data compression platform; de	, , , , , , , , , , , , , , , , , , ,
Berkeley Existential Risk Initiative Research Assistant to An	
For book draft, checked physics calculations; advised on philosoph	
Theorem Engineering Intern	07/18—09/18
Detected duplicate applications using nearest neighbor search in S	, , , , , , , , , , , , , , , , , , , ,
California Institute of Technology	ogz, comgared ETE pipemie
Head Deans' Tutor, Calculus of One and Several Variables & Lin	<i>ear Algebra</i> 09/18—06/19
Head Deans' Tutor, Classical Mechanics and Electromagnetism	04/18—06/18
Teaching Assistant: Fundamentals of Computer Programming,	04/18—03/19
Introduction to Discrete Mathematics, Principles of Biology	01/10 00/10
Summer Undergraduate Research Fellowship advisor: Winfree	06/17—08/17
Implementation of randomized algorithms with stochastic chemica	
Deans' Tutor, misc. math, physics, and computer science courses	
Peer Tutor, Hixon Writing Center	04/16—06/19
JPL Science Data Modeling and Computing Group Inter	rn 07/16—09/16
(California Institute of Technology	, , ,
BS Mathematics, BS Computer Science, BS Philosophy 3.6 GP.	2A 09/15—06/19
Only 2019 triple major; 8 A+'s; research in CS and philosophy;	
14 physics courses (3 grad-level); peer tutoring and TAing in CS,	
	maci, writing, and physics
California Institute of Technology Undergraduate Projects in Computer Science advisor: Vanier	04/19—06/19
With another student, investigated AlphaZero-inspired tree search	,
Philosophy thesis advisor: Sebens Anthropic reasoning in infin	
Argued that self-indication assumption is less arbitrary than Bosts	_ · · · · · · · · · · · · · · · · · · ·
Argued that self-indication assumption is less arbitrary than Bosts addressed mathematical issues in infinite worlds; applied findings Reading in Philosophy advisor: Eberhardt	
Thewaring the I hitteeophig watereer. Everthalia	01/19—04/19
With another student, wrote 2 papers in ethics and philosophy	
monism, the mathematical universe hypothesis, population ethics	, and panpsychism
University of California, Berkeley	
Linguistics Research Apprentice Practicum (Ling. 197)	01/15—05/15
Linguistic Typology (Ling. 222)	01/1405/14