## Evan Ryan Gunter

	Evan Ryan Gund	er	
	evgunter@gmail.com website github	510 812 7851	
	Personal projects (see below)		03/24—10/24
	ML Alignment & Theory Scholars		,
	Research Scholar – David Lindner collab: Evžen Wybitul, Mik	khail Selezmuon	01/2403/24
	Made vision-language model benchmark to assess VLM models as RL process supervisors [x]		
	Long-Term Future Fund Grantee $09/23-0$		
	Investigated loss landscape geometry theoretically using results from high-dimensional math and		
	physics; tested related predictions of Singular Learning Theory		
	Research Scholar – Victoria Krakovna collab: Yevgeny Liokumovich 06/23—09,		
	Studied stability of power-seeking for MDPs [x]; improved formalism of power as optionality [x]		
	Granica		
1			02/22-07/23
	Research Engineer	ah almanithma atatiat	, , ,
<	Data compression research; used black box optimization, sketch algorithms, statistical modeling, Bayesian estimation, spectral clustering, integer linear programming, singular value thresholding		
	Software Engineer		_
			02/21-02/22
Configured cloud infrastructure for data compression platform; developed interfacing tool			
	Serkeley Existential Risk Initiative Research Assistant to Anders Sandberg		, , , , , , , , , , , , , , , , , , , ,
For book draft, checked physics calculations; advised on philosophy and other content in			
	Theorem LP Engineering Intern		07/18—09/18
Detected duplicate applications using nearest neighbor search in SQL; configured E			l'L pipeline
	California Institute of Technology		0.4./4.0
	Head Deans' Tutor: Ma 1, Ph 1; TA: CS 4, Ma/CS 6a, Bi 1; F		, , , , , , , , , , , , , , , , , , ,
	Summer Undergraduate Research Fellowship advisor: Erik Winfree 06/17—08/		
Implementation of randomized algorithms with stochastic chemical reaction networks			
		tern	07/16—09/16
	California Institute of Technology	Y D. A	00/15 00/10
<	BS Mathematics, BS Computer Science, BS Philosophy 3.6 G		09/15-06/19
Only 2019 triple major; 8 A+'s; research in CS and philosophy; thesis in philosophy of physics;			- 0
physics courses (3 grad-level); peer tutoring and TAing in CS, math, writing, and physics			
	Independent		05/23 - 10/24
ML: chording keymap optimization, visually distinct character set; other: Rust macro expans			
	order control, GPT-4 bot, improved dependency repos [x][x], found a severe Android security bug		
	Mentorship for Alignment Research Students (MARS)	Mentor	01/24— $05/24$
Mentored students in projects on loss landscape geometry with different optimizers [x], extending			
deep linear net minima results to permit ReLUs, and how fast model training Mark			v chains "mix"
California Institute of Technology			
	Undergraduate Projects in C.S. advisor: Mike Vanier collab		04/19 - 06/19
	Investigated AlphaZero-inspired tree search for automated theory	rem proving	
	Philosophy thesis advisor: Chip Sebens Anthropic reasoning	· ·	, , , , , , , , , , , , , , , , , , , ,
Argued that self-indication assumption is less arbitrary than Bostrom's self-selection assumption			
addressed mathematical issues in infinite worlds; applied findings to spacetime dimensionality			nsionality
	Reading in Philosophy advisor: Frederick Eberhardt collab:	Alex Denko	01/19—04/19
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Papers on Russellian monism, mathematical universe hypothesis; population ethics, panpsychism