Evan Ryan Gunter

evgunter@gmail.com evgunter.github.io 510 812 7851

Education

Caltech (2015-2019): BS in Mathematics, BS in Computer Science, and BS in Philosophy

GPA 3.6 overall; eight A+'s; only triple major in my graduating class; research in CS and philosophy; thesis in philosophy of physics; 14 physics courses, including 3 graduate-level courses; peer tutoring and teaching assistance in CS, math, writing, physics

Research Experience

California Institute of Technology

Undergraduate Projects in Computer Science *adv. Vanier* 4/19—6/19

With another student, investigated applying AlphaZero-inspired tree search to automated theorem proving

Philosophy thesis *adv. Sebens* *Anthropic reasoning in infinite worlds* 9/18—6/19

Argued that another formalism for anthropic reasoning is less arbitrary than Bostrom's; addressed mathematical issues in infinite worlds; applied findings to spacetime dimensionality

Reading in Philosophy *adv. Eberhardt* 1/19—4/19

With another student, wrote two papers on topics in ethics and philosophy of mind

Summer Undergraduate Research Fellowship *adv. Winfree* 6/17—8/17

Implementation of randomized algorithms with stochastic chemical reaction networks

University of California, Berkeley

Linguistics Research Apprentice Practicum (Ling. 197) 1/15—5/15

Linguistic Typology (Ling. 222) 1/14—5/14

Professional Experience

Project N (Stealth Startup)

Research Engineer 2/22—present

Used techniques including black box optimization, sketch algorithms, statistical modeling, spectral clustering, gradient descent, integer linear programming, automated hyperparameter tuning, and singular value thresholding in data compression research

Software Engineer 2/21—2/22

Configured cloud infrastructure and developed tools for interfacing with infrastructure

Berkeley Existential Risk Initiative

Research Assistant to Anders Sandberg 4/21—12/21

Provided assistance on a draft of Anders' upcoming book: checked physics derivations and facts and discussed the philosophical and scientific content in weekly one-on-one meetings

California Institute of Technology

Head Deans' Tutor, Calculus of One and Several Variables & Linear Algebra 9/18—6/19

Head Deans' Tutor, Classical Mechanics and Electromagnetism 4/18—6/18

Deans' Tutor, misc. math, physics, and computer science courses 9/16—6/19

Teaching Assistant: Fundamentals of Computer Programming, Introduction to Discrete Mathematics, Principles of Biology 4/18—3/19

Peer Tutor, Hixon Writing Center 4/16—6/19

Theorem *Engineering Intern* 7/18—9/18

JPL Science Data Modeling and Computing Group *Intern* 7/16—9/16