

# Evan Ryan Gunter

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## Skills

- Research: thesis in philosophy of physics (with Prof. Sebens); summer undergraduate research fellowship in computer science (with Prof. Winfree); research in philosophy of mind (with Prof. Eberhardt); research in automated theorem proving (with Dr. Vanier)
- Mathematical reasoning: majors in mathematics and computer science plus 14 courses in physics
- Written and verbal communication: won the Bi1 Prize for Excellence in Scientific Proposal Writing; worked as a writing tutor, Dean's tutor (including as head Dean's tutor), TA

## Education

**Caltech** (2015-2019): BS in Mathematics, BS in Computer Science, and BS in Philosophy  
GPA 3.6; eight A+'s; only triple major in my graduating class; 14 physics courses, including 3 graduate-level courses; thesis in philosophy of physics

## Research Experience

**Philosophy thesis (Sebens, Caltech)** *Anthropic reasoning in infinite worlds* (2018-2019)  
[https://evgunter.github.io/Anthropic\\_reasoning\\_in\\_infinite\\_worlds.pdf](https://evgunter.github.io/Anthropic_reasoning_in_infinite_worlds.pdf)  
Reviewed the literature; found original solutions to philosophical problems; used background in mathematics and computer science to counter implicit assumptions in the literature; wrote an original thesis with high mathematical content

**Summer Undergraduate Research Fellowship (Winfree Lab, Caltech)** (2017)  
*Implementation of randomized algorithms with stochastic chemical reaction networks*  
Reviewed the literature; applied developments in math and computer science to stochastic chemical reaction networks; performed original analyses

**Linguistics Research Apprentice Practicum (Linguistics 197, UCB)** (2015)

**Linguistic Typology (Ling. 222, UCB)** *Phenomena of Kolyma Yukaghir* (2014)  
Synthesized data on the language Kolyma Yukaghir into original analyses

**Intro. to Phonetics and Phonology (Ling. 110, UCB)** *Mandarin phonetics* (2013)  
Collected data from a native speaker of Mandarin, found and analyzed a dialectical difference in pronunciation of the third tone, built on findings from previous literature

## Professional Experience

**Caltech Deans' Tutor** (2016-2019)  
Head tutor for Math 1abc, Physics 1b; tutored other courses in math, physics, and CS

**Teaching Assistant for Fundamentals of Computer Programming** (2019)

**Teaching Assistant for Introduction to Discrete Mathematics** (2018)

**Peer Tutor, Caltech Hixon Writing Center** (2016-2019)

**Teaching Assistant for Principles of Biology** (2018)

**Engineering Intern, Theorem** (2018)

**Intern, Jet Propulsion Laboratory (398K)** *Expansion of Dataset Usability for Climate Model Diagnostic Analyzer* (2016)