Evan Ryan Gunter

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Education

Caltech (2015-2019)
> Triple major in Mathematics, Computer Science, and Philosophy

UC Berkeley Concurrent Enrollment (2012-2015)
> Coursework: four undergraduate linguistics classes, one graduate linguistics class, and linguistics research

Professional Experience

Teaching Assistant for Fundamentals of Computer Programming (2019)

- Held weekly office hours
- Supported students outside of class
- Graded questions for problem sets and exams

Teaching Assistant for Introduction to Discrete Mathematics (2018)

- Held weekly office hours
- Taught a recitation section
- Tested and graded questions for problem sets and final exam

Teaching Assistant for Principles of Biology (2018)

- Co-taught weekly recitation sections
- Held office hours
- Developed, tested, and graded questions for problem sets and exams
- Assisted in course design

Caltech Deans' Tutor (2016-2019)

- Head tutor for weekly study sessions for Calculus of One and Several Variables and Linear Algebra for a year
- Head tutor for weekly study sessions for Classical Mechanics and Electromagnetism for a term
- On an as-needed basis, assisted students with learning in various topics in math, physics, and computer science

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

- Provided feedback on students' writing individually in weekly sessions
- Was available for consultation on an as-needed basis
- Led group workshops several times per term

Engineering intern, Theorem (2018)

- Developed AWS infrastructure
- Created a custom serialization scheme to increase performance
- Wrote code to efficiently analyze large data sets
- Used Git, AWS, Terraform, protocol buffers, and Jenkins

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

- Rewrote code in large existing codebase for increased generality while maintaining backwards compatibility
- Performed unit tests to ensure functionality of new and old code
- Maintained readable documentation
- Worked with both server-side data processing and browser application
- Used Git, Python, and Matlab

Research Experience

Philosophy thesis (Prof. Sebens, Caltech) (2018-2019)
Anthropic reasoning in infinite worlds

- 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

- Conducted original research; wrote detailed progress reports; presented results orally

Linguistics Research Apprentice Practicum (Linguistics 197, UC Berkeley) (2015)

Linguistic Typology (Linguistics 222, UC Berkeley) (2014)

- Synthesized linguistic data into original analyses; wrote 40-page research paper on syntactic phenomena in the language Kolyma Yukaghir

Introduction to Phonetics and Phonology (Linguistics 110, UC Berkeley) (2013)

- Collected and analyzed phonetic data; wrote 20-page research paper on Mandarin phonetics