

Jacob Shapiro

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Education

AMHERST COLLEGE, Amherst, MA

Expected May 2022

- Bachelor of Arts in Computer Science
- GPA: 3.96/4.00

FRIENDS SELECT SCHOOL, Philadelphia, PA

June 2018

- GPA 4.11/4.00

Work Experience

Oracle Corporation, Redwood Shores, CA

May 2020-August 2020

Software Engineer Intern

- Designed and developed machine learning models implementing natural language processing to translate informal user input into formal Elastic Search queries for Ask Oracle platform

Amherst College Department of Computer Science, Amherst, MA

March 2019-Present

Computer Science Teaching Assistant, McGeoch Fellow

- As McGeoch fellow, work with Computer Systems professor to prepare and grade projects, assist in lab sessions, respond to student questions about course material over slack, and provide academic support for 80 students taking the course
- As teaching assistant, assist students in introductory computer science during office-hours with an average of 10 students per session and lab sessions of 20 students

Computer Science Peer-Tutor

- Selected by department chair to tutor individual students in introductory-level computer science
- Developed individually tailored tools and methods to reinforce materials taught in class

Ramah Day Camp, Cheltenham, PA

June-August 2016-2019

Outdoor Adventure Specialist (2018 and 2019)

- Supervised high ropes course
- Designed and implemented educational programs for campers ages 6-13

Bunk Counselor (2016 and 2017)

- Guided and supervised group of 12 six-year-olds through daily camp programs

Relevant Computer Science Experience

- Languages:
 - Proficient: Java, Python
 - Familiar: Haskell, Prolog, SQL, C, and R
- Coursework: Data Structures, Algorithms, Machine Learning, Computer Systems, Computer Security, Programming Language Paradigms, Multi-Variable Calculus, Linear Algebra, Statistics

Leadership and Activities

Amherst College Hillel

September 2018-Present

Treasurer (May 2019- Present)

- Work with student government to acquire and manage budget of approximately \$10,000

Executive Board Member (September 2018-Present)

- Work with ten selected board members to chart and implement goals and strategies
- Organize weekly shabbat dinners for 60 people and 3-4 holiday events per semester for Amherst College community

Skills and Interests

- Intermediate Spanish, written and spoken
- Member of Amherst College Ultimate Frisbee team and Amherst Poker Club
- Staff Writer for *The Amherst Student* newspaper