

Cooper Young

☎ (+1) 831-419-2464 | ✉ cooperyoung@gmail.com | 🏠 www.cooperyoung.com | 📱 cooperyoung | 🌐 cooper-young

Education

University of California, Santa Barbara

M.A. IN MATHEMATICS

GPA: 4.0

Santa Barbara, CA

September, 2020 - June, 2022

Princeton University

A.B. IN MATHEMATICS, CERTIFICATES IN CREATIVE WRITING (POETRY) AND DANCE

GPA: 3.848

Princeton, NJ

September, 2016 - June, 2020

Work Experience

Teaching Assistant

UC SANTA BARBARA, MATHEMATICS DEPARTMENT

- Taught sections and graded for Math 3A & Math 3B (Calculus with Applications 1 & 2) and Math 8 (Introduction to Proofs).

Santa Barbara, CA

September, 2020 - June, 2022

Cyber Summer Associate

AON

- Worked in Digital Forensics and Incident Response (DFIR), analyzing compromised machines and developing tools for threat hunting.

Fremont, CA

June, 2021 - August, 2021

Admissions Officer/Teacher's Assistant/Residential Counselor

STANFORD UNIVERSITY MATHEMATICS CAMP (SUMAC)

- Worked as an admissions officer in 2021 and 2022.
- Assisted with a course on number theory in summer 2017 and a course on algebraic topology in summer 2019.
- Supervised students in an intensive academic summer program.

Stanford, CA

2017 - 2022

Undergraduate Course Assistant

PRINCETON UNIVERSITY, MATHEMATICS DEPARTMENT

- Led problem set sessions and tutored for Accelerated Honors Analysis I and II (Mat 216/218), in fall/spring 2017, and spring 2019.
- Led problem set sessions and tutored for Numbers, Equations, and Proofs (Mat 214), in fall 2018 and 2019.

Princeton, NJ

September, 2017 - January, 2020

Core Competencies

Languages and Technologies

- Java, Python, C++, SQL, Git, Excel, LaTeX, Sage, Inform 7

Mathematical Background

- Mathematical modeling, machine learning, number theory, topology (point-set and algebraic), logic, graph theory, analysis

Characteristics

- Autodidactic, quick learner, hard working, motivated, empathetic, good communication skills, enjoys collaboration

Honors & Awards

Honorable Mention in the GRFP Competition

NATIONAL SCIENCE FOUNDATION (NSF)

- Awarded to distinguished applicants of the Graduate Research Fellowship Program (GRFP) Competition.

Alexandria, VA

April, 2020

Outstanding Work by a Senior Award in Dance and Creative Writing

PRINCETON UNIVERSITY, LEWIS CENTER FOR THE ARTS

- Awarded to Seniors who display distinctive achievement in their field.

Princeton, NJ

May, 2020

Alex Adam Award

PRINCETON UNIVERSITY, LEWIS CENTER FOR THE ARTS

- Funded to follow the path of the famous poet Matsuo Bashō through Japan and write poetry in the form of a travel sketch.
- Culminated in the chapbook, Sacred Grounds, published by Finishing Line Press in May, 2020.

Princeton, NJ

June - August, 2018