

Zach Wagner

Department of Mathematics
UC Santa Barbara

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Education

UC SANTA BARBARA 2019–PRESENT
Ph.D., Mathematics

UC SANTA BARBARA 2019–2020
M.A., Mathematics

UC LOS ANGELES 2010–2014
B.S., Applied Mathematics
Specialization in Computing

Teaching Experience

TEACHING ASSOCIATE (INSTRUCTOR OF RECORD)

- Math 6A (Vector Calculus): Summer Session A 2021

TEACHING ASSISTANT

- Math 3A (Differential Calculus): Spring 2020
- Math 4B (Elementary Differential Equations): Spring 2021
- Math 6A (Vector Calculus): Winter 2022
- Math 6B (Vector Calculus): Winter 2020, Summer Session B 2020, Fall 2021
- Math 34A (Calculus for Social and Life Science Majors): Fall 2019
- Math 117 (Methods of Analysis): Summer Session B 2021
- Math 118A (Real Analysis): Fall 2020
- Math 118B (Real Analysis): Winter 2021

Academic Employment

UCSB MATHEMATICS DEPARTMENT

- Graduate Student Researcher. Spring 2022-Present.
- Teaching Assistant/Associate. Fall 2019-Winter 2022.

UCSB INSTRUCTIONAL DEVELOPMENT

- Summer Teaching Institute for Associates Facilitator. Spring 2022-Summer 2022.

Seminars/Colloquia

TALKS GIVEN

- UCSB SIAM Graduate Seminar, May 2022. *Basics of the Dirac Equation and Related Results.*
- UCSB SIAM Graduate Seminar, March 2022. *Elementary Mathematical Principles in Quantum Computing.*
- UCSB Graduate Algebra Seminar, November 2020. *Relationships between Complex Tori and Elliptic Curves.*
- CSULB Graduate Student Seminar, April 2019. *Introduction to the Mapping Class Group.*

Honors/Awards

- Academic Senate Outstanding Teaching Assistant Award Nominee, 2021.

Academic Service

- UCSB DRP Mentor, Winter and Spring 2022.
- Informal Undergraduate Mentorship, Winter 2022.
- Panelist for AWM and PMA Graduate Student Panel, Fall 2020 and Winter 2021.
- Panelist for the UCSB Mathematics Transfer Student Q&A, Fall 2019, Fall 2020, and Fall 2021.
- CSULB Graduate Reading Seminar Inaugurator/Administrator, Spring 2019.

- Wrote a python library for Dr. Ryan Blair (CSULB) to perform numerical analytics based on knot Gauss Codes, Spring 2019.

Industry Employment

WEDBUSH SECURITIES 2018–2019

Senior Database Administrator

REAL SOFTWARE SYSTEMS, LLC 2014–2018

Database Developer