

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
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Senior Database Administrator

REAL SOFTWARE SYSTEMS, LLC	2014–2018
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Database Developer