

CHAoyANG GAO

www.cgao.site

(909)532-4823 ◊ cgao039@ucr.edu

ACADEMIC POSITIONS

Oklahoma Baptist University, Shawnee, OK

· Assistant Professor

August 2026 - Present

California Baptist University, Riverside, CA

· Adjunct Professor

September 2024 - May 2026

EDUCATION

University of California, Riverside

Ph.D. in Mathematics

expected June 2026

· *Advised by Dr. Brian Collier*

M.S. in Mathematics

June 2022

Biola University

B.S. in Mathematics

May 2019

RESEARCH INTEREST

Differential geometry, complex geometry, representation theory, Higgs bundles, reductive Lie groups, semisimple Lie algebras

AWARDS & CERTIFICATIONS

Peer Mentor Training Certification

September 2025

Outstanding Teaching Awards

2024-2025

Vernon Kramer Memorial Service Award

2024-2025

Outstanding Teaching Awards

2023-2024

Vernon Kramer Memorial Service Award

2023-2024

Chancellor's MEI Program Diversity Certification

2022-2023

UCR Dean's Distinguished Fellowship

2022-2027

TEACHING

Oklahoma Baptist University

Shawnee, OK

Assistant Professor

- MATH 1021 - Support for College Algebra (Fall 2026)
- MATH 1033 - Cotemporary Mathematics (Fall 2026)
- MATH 1163 - College Algebra (Fall 2026)

University of California

Riverside, CA

Associate Instructor

- MATH 006A - Pre-Calculus: Introduction to Functions I (Summer 2023)
- MATH 006B - Pre-Calculus: Introduction to Functions II (Winter 2026)
- MATH 007B - Calculus for Life Science II (Summer 2025)
- MATH 022 - Calculus for Business (Summer 2025)
- MATH 197 - Undergraduate Research: Non-Euclidean Geometry (Spring 2025)

California Baptist University

Riverside, CA

Adjunct Professor

- MAT 115 - Intermediate Algebra (Fall 2024, Fall 2025)
- MAT 342 - Fundamentals of Multivariable Calculus with Differential Equations (Spring 2025, Spring 2026)

University of California

Riverside, CA

Teaching Assistant

- MATH 006A - Pre-Calculus: Introduction to Functions I (Summer 2023)
- MATH 006B - Pre-Calculus: Introduction to Functions II (Winter 2024, Spring 2025)
- MATH 007A - Calculus for Life Science I (Spring 2023)
- MATH 007B - Calculus for Life Science II (Fall 2022, Fall 2023, Spring 2026)
- MATH 009A - First Year Calculus I (Fall 2024, Fall 2025, Spring 2026)
- MATH 009B - First Year Calculus II (Winter 2025)
- MATH 010A - Calculus of Several Variables I (Spring 2025)
- MATH 010B - Calculus of Several Variables II (Winter 2025)
- MATH 022 - Calculus for Business (Winter 2022, Fall 2023)
- MATH 145B - Topology II (Spring 2026)
- MATH 165A - Introduction to Complex Variables I (Winter 2024)

Biola University

La Mirada, CA

Teaching Assistant

- MATH 103 - Calculus for Management Science
- MATH 204 - Intro to Abstract Mathematics
- MATH 291 - Linear Algebra

SERVICE & OUTREACH

UCR A Tu Lado Mentorship Program Graduate Mentor	2025-2026
UCR Math Department Teaching Workshop Committee	2025-2026
UCR Math Department Teaching Fellow	2025-2026
UCR Math Department TA Mentorship Mentor	2024-2025
UCR Math Department Recruitment Ambassador	2024-2025
UCR Math Department Recruitment Ambassador	2023-2024