

Jinwei Zou

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Address: University of California, Santa Barbara, CA, U.S.A.

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EDUCATION

- **University of California, Santa Barbara** Santa Barbara, CA, U.S.A.
Pursuing Bachelor of Science with Major in Physics June 2023 - Present
College of Creative Studies (Advisor: Tengiz Bibilashvili)
Current Cumulative GPA: 3.96

Upper Division Courses:

- **PHYS100A:** Methods of Theoretical Physics. (4.0 A+)
- **PHYS103:** Intermediate Mechanics and Special Relativity. (4.0 A)
- **PHYS104:** Advanced Mechanics. (4.0 A+)
- **PHYS115A:** Quantum Mechanics. (4.0 A-)
- **MATH108A:** Introduction to Linear Algebra. (4.0 A)
- **MATH117:** Methods of Analysis. (4.0 A+)
- **PSTAT120A:** Probability and Statistics. (4.0 Pass)

In Progress (Winter):

- **PHYS115B:** Quantum Mechanics. (4.0)
- **PHYS119A:** Thermal and Statistical Physics. (4.0)
- **PHYS129L:** Introduction to Scientific Computation. (4.0)
- **PHYS-CS140VA:** Vector Analysis with Application to Physics. (4.0)
- **MATH122A:** Theory of Complex Variables. (4.0)
- **MATH-CS120EL:** The Ellipse. (6.0)

[List of All Courses with Description](#)

- **Chengdu Foreign Languages School** Sichuan, China
High School Diploma - G9-G12 September 2019 - June 2023
AP Tests: Biology (4); Calculus BC (5); Chemistry (5); Computer Science A (5); Computer Science Principles (4);
Environmental Science (5); Macroeconomics (5); Microeconomics (5);
Physics 2 (5); Physics C: Electromagnetism (5); Physics C: Mechanics (5); Statistics (5).
- **University of California, San Diego** San Diego, CA, USA
Summer Session August 2022 - October 2022
MATH103B: Modern Algebra II. (4.0 A+)
- **Stanford University** San Francisco, CA, USA
Summer Session July 2021 - September 2021
MATH51: Linear Algebra, Multivariable Calculus, and Modern Applications. (4.0 A)

CAREER RELATED PROFESSIONAL EXPERIENCE

- **Physics Department Reader (Grader)** 2024/01 - 2024/03
Reader of PHYS104 (Advanced Mechanics) at UCSB
- **Physics Tutor** 2022/08 - 2022/11
Tutoring British Physics Olympiad at TestDaily Edu. Tech. Co., Ltd.
- **Lecturer** 2022/03 - 2023/06
Teaching students at Chengdu Foreign Languages School
 - Ordinary Differential Equation
 - Linear Algebra
 - Abstract Algebra I
 - Intro to College Physics
- **Chemistry Tutor** 2021/04 - 2022/02
Tutoring a student AP and Olympiad at Chengdu Foreign Languages School

PROJECTS (DURING HIGH SCHOOL)

- **Physics Research:** (Phenomenology) Constraining Dark $U(1)'$ Model via Asymptotic Safety
- **Pioneer Research:** Generating Functions of Plane Partitions

PROGRAMMING SKILLS

- **Languages:** Cpp (Adept), Java (Able), Python (Able), Markdown (Able), HTML (Able), JavaScript (Able)
- **Tools:** LaTeX (Adept), Mathematica (Able)
- **Platforms:** MacOS, Windows, Linux, Web

STANDARDIZED TEST

- **TOEFL:** 110/120 (July, 2022)
- **GRE Math:** 800/990 (September, 2022)
- **JLPT N3:** Qualified (December, 2018)

EXTRACURRICULAR ACTIVITIES

- **Founder of the high school Physics and Math Club** Grade 10 - Grade 12
Led club members to learn physics and math; created a website to share materials
- **Language Learner** Grade 7 - Present
*Self-studied Japanese after the 9th grade (be able to listen, read, write, and speak);
Self-studied German after the 9th grade (be able to read and listen)*
- **Piano Player** Grade 1 - Present
Highest Distinction from Sichuan Conservatory of Music