

# Jinwei Zou

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## EDUCATION

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- **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

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- **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

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

## PROGRAMMING SKILLS

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- **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

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

## EXTRACURRICULAR ACTIVITIES

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- **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 since 9th grade (be able to read and listen)*
- **Piano Player** Grade 1 - Present  
*Highest Distinction from Sichuan Conservatory of Music*