

Jacob H. Nie - Curriculum Vitae

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CONTACT

Email: jacobhnie@ucsb.edu

Cell: (669) 777-8902

EDUCATION

University of California Santa Barbara

B. S., Physics, 2020 - 2024 (expected)

GPA 4.0/4.0

Selected Coursework

- PHYS 101 Complex Analysis (planned)
- PHYS 104 Advanced Mechanics (planned)
- PHYS 150 Group Theory for Physicists (planned)

EXPERIENCE

Self-Guided Study

Some selected textbooks studied in the past:

- *Principles of Quantum Mechanics*, R. Shankar
- *Thermal Physics*, C. Kittel
- *Introduction to Linear Algebra*, G. Strang

SELECTED ACADEMIC HONORS

Second Prize, Rudolf Ortway International Competition in Physics, 2019

Gold Medalist, USA Physics Olympiad, 2019

Gold Medalist, Princeton University Physics Competition, 2018

SKILLS

Proficient with Python 3 and LaTeX

Familiar with MATLAB, Mathematica, and Linux

WORK HISTORY

Art of Problem Solving, grader and assistant, 2020 - current

Private Tutoring, math and physics, 2017 - 2019