

Jacob Bryon

Student, Researcher, Programmer

about

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languages

Fluent: English
Proficient: German

programming

C/C++
ROOT
Python
Mathematica
JavaScript
CSS & HTML
LaTeX

Lab Skills

Metal Work
Machining
Autocad
Cryogenics
CVT Synthesis
Physics Simulations

Soft Skills

Time Management
Presentation
Multitasking

Affiliations

UC LEADS
Society Physics
Students
German Film Club

interests

experimental condensed matter physics, electrical engineering (focus on physical devices)
device fabrication, quantum materials, topological insulators, quantum computing

education

2014-2018	UC Berkeley: B.A Physics with honors 3.6 GPA; <i>Thesis: "Effect of Strain on the Charge Density Wave State in Low Dimensional Materials"</i>	Berkeley, CA
2013-2014	Cape Fear Community College 4.0 GPA	Wilmington, NC
2010-2014	Eugene Ashley High School 4.0 GPA	Wilmington, NC

experience

May 2015 - Present	UC Berkeley, Alex Zettl Physics Research Group Undergraduate Researcher <i>Condensed Matter Physics Group. Crystal synthesis, electrical transport on low D materials</i>
June 2017 -August 2017	UCLA, Huan Huang Physics Research Group Summer Research Internship <i>Particle Physics Group. Programming simulations, data analysis</i>
June 2016 -Present	Berkeley & San Francisco, The Princeton Review MCAT Physics Instructor <i>Teach and tutor students for MCAT physics</i>
August 2015 -August 2016	Berkeley Student Cooperative Administrative Committee Board Member <i>Make administrative decisions on cases brought to board</i>
August 2014 -Present	UC Berkeley Art Museum Pacific Film Archive Gallery Attendant <i>Protect art work in exhibitions and act as a liaison to patrons</i>

publications

2017 TBA