

Jacob Bryon

Student, Researcher, Teacher

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
-American Physical
Society (APS)
-Society Physics
Students
-PEACE Tutoring

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 - Nov. 2017	UCLA, Huan Huang Physics Research Group Summer Research Internship <i>Nuclear Physics Group. Programming simulations, data analysis</i>
June 2016 -Present	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	(Submitted) "Event-shape-engineering study of charge separation in heavy-ion collisions" Fufang Wen, Jacob Bryon, Liwen Wen, and Gang Wang.
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