

Jonas L. Kaufman

Materials Department
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Education

University of California, Santa Barbara

Ph.D. Materials

Advisor: Prof. Anton Van der Ven

GPA: 4.0

2017 – Present

Harvey Mudd College

B.S. Physics

Graduate with High Distinction

Departmental Honors in Physics and Humanities, Social Sciences, and the Arts

GPA: 3.9

2013 – 2017

Experience

Sandia National Laboratories

Harvey Mudd College Physics-Engineering Clinic Project

Finite element modeling of ceramic nanoparticles in composites for capacitor applications

Sep. 2016 – May 2017

UNSW Sydney, Australia

Materials Science Research Assistant

First-principles atomistic modeling of mechanical properties to aid development of compositionally complex metallic alloys

May - Aug. 2015, 2016

Publications

1. **J.L. Kaufman**, G.S. Pomrehn, A. Pribram-Jones, R. Mahjoub, M. Ferry, K.J. Laws, and L. Bassman (2017). [Stacking fault energies of nondilute binary alloys using special quasirandom structures](#). *Physical Review B*, 95(9), 094112.

Awards

- Department of Energy Computational Science Graduate Fellowship 2017 – Present
- Jon A. Wunderlich Prize for Creative Achievement in Physics, Harvey Mudd College 2017
- Barry M. Goldwater Scholarship 2016 – 2017
- Jude and Eileen Laspa Fellowship in Applied Mechanics, Harvey Mudd College 2015 – 2017
- National Merit Scholarship 2013 – 2017