MAX GROSSNICKLE
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EDUCATION

University of California at Riverside
Ph.D. in Physics (in progress) — **Expected 2018**

University of California at Riverside
M.S. in Physics — **2014**

University of Colorado at Boulder
B.A. in Physics, cum laude — **2011**
Honors Thesis: Study of the Anomalous Hall Effect in MnSi

AWARDS

UCR Graduate Research Mentorship Fellowship — **2016 – 2017**
Dean's Distinguished Fellowship — **2012 – 2013**

TEACHING EXPERIENCE

Teaching Assistant, Introduction to Physics, Discussion and Laboratory — **Various times, 2012-2017**

RELATED EXPERIENCE

Quantum Materials Optoelectronics Laboratory
Graduate Research Assistant — **2013 – Present**
Develop and carry out optoelectronic experiments on two-dimensional materials, laser ceramics, and other quantum materials. Oversaw an undergraduate research project on enhancing graphene exfoliation yields.

MLee Lab
Research Assistant — **2010 – 2012**
Performed cryogenic, high-magnetic field measurements of the Anomalous Hall Effect in MnSi.

PUBLICATIONS

"Interlayer impact excitation by hot electrons in atomic layer semiconductor heterostructures"
F. Barati, M.J. Grossnickle, et al. Nature Nanotechnology. — **2017**

"Nd:AlN polycrystalline ceramics: A candidate media for tunable, high energy, near IR lasers."
A.T. Wieg, et al. Appl. Phys. Lett. **109**, 121901. — **2016**

"Large enhancement of emergent magnetic fields in MnSi with impurities and pressure"
B.J. Chapman, et al. Phys. Rev. B **88**, 214406. — **2013**