

# Evan Boyd Sosenko

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## Curriculum Vitae

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### Education

- 2011–present **Ph.D. Physics in condensed matter theory**, *University of California, Riverside*, Riverside, CA, US.
- 2011–2012 **M.A. Physics**, *University of California, Riverside*, Riverside, CA, US.
- 2006–2011 **B.S. Physics with minor in mathematics**, *University of California, Santa Barbara*, Santa Barbara, CA, US.

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### Awards and Scholarships

#### Fellowships

- 2011–2016 **Chancellor's Distinguished Fellowship Award**, *University of California, Riverside*, Riverside, CA, US.
- 2010 **CCS Summer Undergraduate Research Fellowship (SURF)**, *University of California, Santa Barbara*, Santa Barbara, CA, US.

#### Scholarships

- 2006–2010 **Regents Scholarship Award**, *University of California, Santa Barbara*, Santa Barbara, CA, US.
- 2006 **Xi Nu Zeta of Beta Sigma Phi Scholarship**, *SCV Scholarship Foundation*, Santa Clarita, CA, US.

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### Publications and Talks

- March 2016 **Contributed Talk**, *APS March Meeting*, Baltimore, MD, US.  
[Superconducting phases of monolayer transition-metal dichalcogenides.](#)
- December 2015 **Superconductivity in transition metal dichalcogenides**, *University of California, Riverside*, Riverside, CA, US.  
[arXiv:1512.01261](#)
- March 2015 **Contributed Talk**, *APS March Meeting*, San Antonio, TX, US.  
[Superconducting phases of monolayer transition-metal dichalcogenides.](#)
- June 2014 **Effect of contacts on spin lifetime measurements in graphene**, *University of California, Riverside*, Riverside, CA, US.  
[Phys. Rev. B 89, 245436.](#)

March 2014 **Contributed Talk**, *APS March Meeting*, Denver, CO, US.  
[Effect of contacts on spin lifetime measurements in graphene.](#)

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## Experience

### Research

- 2011–present **Graduate Research Assistant**, *Department of Physics and Astronomy*, Riverside, CA, US.  
Condensed matter theory: spintronics and topological materials.
- 2009–2011 **Undergraduate Research Assistant**, *UCSB Astronomy & Astrophysics*, Santa Barbara, CA, US.  
Pulsar radio astronomy and scattering in interstellar media. Applications and limits of the stationary phase approximation. Under the supervision of Dr. Carl R. Gwinn.
- 2008–2009 **Undergraduate Research Assistant**, *UCSB Center for Terahertz Science and Technology*, Santa Barbara, CA, US.  
Experimental work on THz absorption of proteins in solution. Under the supervision of Dr. James Allen.

### Instruction

- 2011–present **Teaching Assistant**, *Department of Physics and Astronomy*, Riverside, CA, US.
- 2011 **Grader**, *UCSB Physics Department*, Santa Barbara, CA, US.  
Grader for PHYS 231B, graduate course in general relativity; instructor: Dr. Donald Marolf.

### Miscellaneous

- 2001–present **Owner & Technical Administrator**, *OurTownRentals.com*, Valencia, CA, US.  
Commercial website for USA vacation rentals founded in 2001. Responsible for web design, development, server administration, and business management.

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## Technical skills and experience

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|------------|---|
| platforms  | FreeBSD, Linux, Microsoft Windows                   |
| tools      | L <sup>A</sup> T <sub>E</sub> X, Git, Office        |
| scientific | Mathematica, LabVIEW, Autodesk Inventor             |
| design     | Compass, Adobe Illustrator, Adobe Photoshop         |
| languages  | Ruby, Python, PHP, SQL, HTML, CSS, SASS, JavaScript |

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## Languages

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| English | Fluent | <i>Native</i> |
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