

# Sample Academic CV #2 STEM

DO NOT PLAGIARIZE THESE EXAMPLES! USE OWN WORDS

## Kate King

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### Education

University of California, Santa Barbara (UCSB), Santa Barbara, CA  
Ph.D., Physics GPA: 3.91  
expected June 2017  
M.A., Physics June 2014

University of Notre Dame, Notre Dame, IN GPA: 3.87  
B.S., Physics, *magna cum laude* May 2011  
B.A., English, *magna cum laude* May 2011

### Publications

- E.N. Smith, **K. King**, D.S. Frank, M. *Brain Network and Changes in Task States*. PLoS Computational Biology 11 (1), e100XXXX, 8 March 2015.
- K. King**, S.P. Miller, and J.M. Taylor. *Coevolutionary Immune System Dynamics and Findings*. PLoS ONE 9(1), XXXXX, 23 February 2014.
- W.J. Founders, W.P. Jones, , **K. King**, J. Fredricks. *Nodal Gap Structure and Order Semiconductor Findings UPT<sub>3</sub>*. New Journal of Physics 13, XXXXX, 13 April 2013.
- R. Martin, **K. King**, W.J. Filler, *Persistence of Nanos in the Presence of Vortex Motion*. Physical Review Letters 111, XXXXXX, 4 October 2013.

### Research

*NSF Graduate Research Fellow*, Physics Department, UCSB June 2014 - present

- Develop and apply quantitative neuroscience modeling techniques to analyze human brain imaging data (functional and structural MRI); evaluate effects of aging and cognitive task switching on brain organization
- Design, implement, and interpret simulations of neuronal network dynamics to investigate the impacts of network architecture and robustness on learning and memory
- Describe and predict the decision-making behavior of human social groups under threat in a simulated natural disaster, using statistics and dynamical systems modeling

*Graduate Research Assistant*, Physics Department, UCSB June 2012 - June 2013

- Developed mathematical models of immune system interactions, simulating immune and viral populations over the course of an infection and describing the dynamics of viral speciation

*Undergraduate Research Assistant*, Physics Department, University of Notre Dame Feb. 2010 - May 2011

- Studied magnetic properties of superconducting crystals with small-angle neutron scattering
- Analyzed and interpreted neutron scattering diffraction data
- Measured magnetization hysteresis with SQUID magnetometer

*Physics REU at Notre Dame*, Notre Dame, IN May 2010 - August 2010

- Participated in small-angle neutron scattering studies of superconducting materials at Oak Ridge National Laboratory and Paul Scherrer Institute in Villigen, Switzerland
- Used and filled liquid-He cryostat; operated dilution refrigerator; collected small-angle neutron scattering data

### Awards and Fellowships

*Institute for Collaborative Biotechnologies Fellowship* for graduate study at UCSB Winter 2016

*NSF Graduate Research Fellowship* for study of physics at UCSB Summer 2013 - 2017

*Worster Fellowship* for mentoring an undergraduate in physics research Summer 2013 and Summer 2015

*Chair's Certificate for outstanding service* to the physics department Spring 2014

# Sample Academic CV #2 STEM (cont.)

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*Ferrando-Fithian Fellowship* for study of physics at UCSB *Fall 2011*  
*Outstanding Physics Major Award*, Notre Dame physics department *Spring 2011*  
*UROP Arts & Letters/Science Grant* for physics research *Summer 2010*  
*Notre Dame Club of Boston Scholarship* *2008 - 2009*

## Contributed Talks and Posters

Society for Neuroscience 2015  
American Physical Society March Meeting 2013

## Courses and Conferences

*Fellow*, Summer Institute in Cognitive Neuroscience, Santa Barbara, CA *June - July 2015*  
*Selected Participant*, Summer Course in Mining and Modeling Neuroscience Data *July 2015*  
Redwood Center for Computational Neuroscience, Berkeley, CA  
*Attendee*, Kavli Futures Symposium: Emerging Technologies for Neuroscience, Santa Barbara, CA *June 2015*  
*Attendee*, Cosyne (Computational and Systems Neuroscience), Salt Lake City, UT *March 2015*

## Leadership and Service

*Co-Chair, UCSB Club on Campus* *August 2013 - present*  

- Develop and organize events to provide support for women and promote diversity in the physics department
- Coordinate recruitment activities, fundraising efforts, and outreach programs
- Communicate with department chair and administration as representative and advocate for graduate students

## Teaching Experience

*Physics Teaching Assistant*, Physics Department, UCSB *Sept. 2011 - June 2012*  

- Prepared and led weekly lectures, review sessions, and lab experiments for undergraduate physics classes
- Graded exams and problem sets, working with professors to assign final grades

*Physics, Latin, and Mathematics tutor* *Nov. 2012 - May 2013*  

- Provided academic support to college and middle-school students
- Created, prepared, and presented experiments and lessons to communicate scientific concepts

## Affiliations

*Member*, Society for Neuroscience  
*Member*, American Physical Society  
*Member*, Women in Physics at UCSB

## Skills

*General Computer*: Windows, Mac OS, UNIX systems  
*Data Analysis and Programming*: MATLAB, Python, LaTeX, Mathematica, C++