Cory D. Schillaci

CURRENT POSITION

Graduate Student Researcher pursuing Ph.D. in Physics — Fall 2010 - Present
University of California, Berkeley, CA
Advisor: Professor Wick Haxton

EDUCATION

Master of Arts in Physics — May 2011
University of California, Berkeley

Bachelor of Science — June 2009
Magna Cum Laude with College Honors
University of Washington, Seattle, WA
Major Concentration: Physics — Minors: Chemistry and Mathematics
Overall GPA: 3.88 — GPA in Major Courses: 3.98

Running Start — September 2004 - June 2005
Green River Community College, Auburn, WA
The Washington State Running Start program provides concurrent enrollment in a local community college for advanced high school students.
GPA: 3.86

TEACHING EXPERIENCE

Instructor — July 2011
EPGY Summer Institutes at Stanford University
Developed and taught an intensive course on contemporary physics topics for gifted 14-16 year old students.

Graduate Student Instructor — Fall 2009 - Fall 2010
Head Graduate Student Instructor — Fall 2010
Physics Department at the University of California, Berkeley

- Taught sections in Physics 7A, 7B and 8B.
- As Head GSI for physics 7B, coordinated efforts of eighteen GSIs and two professors to effectively teach nearly six hundred undergraduates.

Physics Tutor — May 2007 - September 2007
Lead Physics Tutor — September 2007 - June 2009
Center for Learning and Undergraduate Enrichment at the University of Washington

- Tutored drop-in students in physics, primarily introductory classes but also second and third year courses.
- Responsible for hiring of physics tutors and development of tutoring services.

RESEARCH EXPERIENCE

Graduate Student Researcher — Spring 2010 - Present
Working with Professor Wick Haxton at UC Berkeley and Lawrence Berkeley National Laboratory on an N-body effective theory of nuclei.

Undergraduate Researcher — Spring 2007 - Summer 2009
Worked with Professor William Reinhardt at the University of Washington on computational models of dynamics in Bose-Einstein condensates. Particular emphasis on measurement and Fock space dynamics in double well traps.

Summer Student Summer 2008
Deutsches Elektronen-Synchrotron, Hamburg, Germany
Analyzed elastic collisions for calibration of the recoil detector at HERMES.

PUBLICATIONS W. P. Reinhardt, C. A. Stanich, C. D. Schillaci, *Schrödinger Cats in Double Well Bose Condensates: Modeling their Collapse and Detection Via Quantum State Diffusion,* Applied Mathematics and Information Sciences **3**, 273 (2009).

TALKS Special Undergraduate Research Session at DAMOP Meeting May 2009

MEETINGS National Nuclear Physics Summer School June 2011

DAMOP Meeting May 2009

Workshop on Quantum Chemistry and Quantum Computational Physics in the Theory of Ultra-cold Gasses August 2009

FELLOWSHIPS Mary Gates Research Scholar April 2008 - March 2009

Robert C. Byrd Honors Scholarship Fall 2005 - June 2009

HONOR SOCIETIES Sigma Pi Sigma, Honor Society of the Society for Physics Students

Phi Lambda Upsilon, Honorary Chemical Society

Phi Beta Kappa, Academic Honor Society

LANGUAGE PROFICIENCY *English*
Native Language

Spanish
Speak, read, and write with basic competence. Studied as an undergraduate and intensively in Argentina.