

Education

Illinois Institute of Technology, Chicago, IL (8/2009-Present)

Ph.D. Physics

Advisor: Dr. Daniel Kaplan

GPA: 3.647

University of California Riverside, Riverside, CA (9/2007-6/2009)

Master of Science, Physics

Advisor: Dr. Gail Hanson

GPA: 3.343

Colby College, Waterville, ME (9/2002-5/2006)

Bachelor of Arts, Physics and English

Advisor: Dr. Robert Bluhm

Teaching Experience

Illinois Institute of Technology

Fall 2009 - Present

Taught introductory physics laboratories and recitation sections. Introduced topics of discussion for 60 students per quarter.

- Graded Laboratory write-ups and examinations.
- Maintained office hours 3 times a week.

University of California Riverside

Fall 2007 – Spring 2009

Taught introductory physics laboratories and discussion sections for second year physics students.

- Introduced topics of discussion for 60 students per quarter.
- Graded Laboratory write-ups and examinations.
- Maintained office hours 2 times a week.

Research and Coursework

Illinois Institute of Technology

- Modeled transverse frictional muon cooling using beryllium foils in a solenoidal magnet. Simulations were performed in G4Beamline and included scattering, stochastic processes, and acceleration using external fields. (Spring 2010-2011)
- USPAS Graduate Accelerator Physics (Spring 2011)
- Particle Physics (Fall 2010)
- Quantum Field Theory (Fall 2009)

University of California Riverside

- Muon Ionization Cooling Experiment Research using G4MICE under the direction of Dr. Gail Hanson and Dr. Pavel Snopok