

Lindsey R. Goodman

Email: Lindsey.Goodman@gmail.com

240 W. 98th Street #9B

New York, NY 10025

Cell Phone: (646) 369-9665

Office Phone: (404) 894-7703

Education

Georgia Institute of Technology

PhD in Materials Science, Expected May 2011

Binghamton University, State University of New York, Binghamton, New York

Bachelor of Science in Applied Physics, 2006 GPA 3.65

Minors: French

La Sorbonne Paris IV, Paris, France

Certificate of French Language and Literature, 2004 (Semester Abroad)

Experience

Georgia Institute of Technology, Atlanta, GA

Graduate Research Assistant in the Corrosion and Materials Chemistry Laboratory

Fall 2007- Present

- Will investigate the composition of cellulosic bioethanol
- Will perform SEM, XRD, and other techniques to analyze the microstructure of pipeline grade steel
- Will study the effects of contaminants in bioethanol on the corrosion of pipeline steel coupons

Argonne National Laboratory, Lemont, IL

Science Undergraduate Learning Internship

Fall 2006-Summer 2007

- Helped engineer abrasive testing apparatus for Ultrananocrystalline Diamond™-coated pump seals
- Built SO₂ scrubber for a hydrogen sulfide-to-hydrogen conversion system
- Worked on recovery of metals from auto shredder residue using a froth-flotation process

Center for Academic Excellence, Binghamton University, Binghamton, NY

Undergraduate Physics Tutor

Fall 2005-Spring 2006

- Tutored undergraduate students on a one-on-one basis
- Helped students solve problems and understand concepts of undergraduate physics courses

University of Maryland, College Park, MD

Training and Research Experience in Nonlinear Dynamics Program for Undergraduates

Summer 2005

- Worked with Professor John Rodgers on research of nonlinear dynamics of microwave electronics
- Analyzed traveling wave tube amplifier output using oscilloscopes, spectrum analyzers, and other instruments on a GPIB interface

Stony Brook University, Stony Brook, NY

Mineral Physics Institute Summer Scholars Research Experience for Undergraduates Program

Summer 2004

- Worked with Professor Lianxing Wen in analysis of seismic wave data
- Used Perl in a Unix environment to manipulate data and synthesize seismograms

Binghamton University, Binghamton, NY

Computing Services Senior Helpdesk Consultant, Spring 2004- Spring 2006

- Helped faculty, staff, and students troubleshoot computer problems over the phone and in person

Residential Consultant, Fall 2002-Spring 2003

- Helped students repair internet connections and troubleshoot viruses and PC software

Undergraduate Lab Instructor, Spring 2004- Fall 2004

- Instructed and performed demonstrations to undergraduate students in physics laboratory class

Computer Skills

Microsoft Office, Data Studio, Matlab. Familiarity with Unix, Labview, Agilent VEE
GPIB programming interface, Mathematica. Familiarity with HTML, Java, Perl, C++

Foreign Languages

Fluent in French

Activities

Volunteer at 2007 Women's Leadership Conference, Member of the MSE Faculty
Selection Committee, Binghamton University Kickline team; Harpur Harpeggios a
cappella group; Dickinson Community Players

Honors

Recipient of the Georgia Tech Paper Science and Engineering Fellowship, National
Association of Corrosion Engineers, Sigma Pi Sigma National Physics Honors Society,
Phi Sigma Iota National Foreign Language Honors Society