

Evan Erickson – Updated February 2009
University of Illinois at Urbana-Champaign
3009 Materials Research Laboratory (MRL)
104 S. Goodwin Ave.
Urbana, IL 61801
eericks2@uiuc.edu
(217).265.5068

Education:

University of Illinois, Urbana-Champaign, IL
Materials Chemistry, Ph. D. Candidate
(2006 – Present)

Universitat de Barcelona, Barcelona, Catalunya, Spain
Spanish Studies
(Spring 2006)

Class “A” Sawyer Certification
United States Forest Service
(2006)

North Dakota State University, Fargo, ND
B.S. Chemistry (ACS Certified)
B.S. Spanish
Magna cum laude
(2001 – 2006)

Research Experience:

University of Illinois, Champaign-Urbana, IL
2006 – Present
Research Advisor: Ralph G. Nuzzo
Topic: Passive direct formic acid fuel cells; Cathodes for the oxygen reduction reaction; microelectromechanical mixing devices

North Dakota State University, Fargo, ND
2001 - 2005
Research Advisor: David Hamilton
Topic: Development of N-heterocyclic ruthenium chemotherapeutic complexes and investigations into their interactions with transferrin

Published Papers

Mitrovski, S. M., Avasthy, S., Erickson, E. M., Stewart, M. E., Rogers, J. A., & Nuzzo, R. G.. “Soft Lithography for Microfluidic Microelectromechanical Systems (MEMS) and Optical Devices.” In *Unconventional Nanopatterning Techniques and Applications* by Hong H. Lee and John A. Rogers © 2008 John Wiley & Sons, Inc.

Instrument and other Training:

Hitachi S4700 SEM and EDX
JEOL 2100 TEM
Temescal E-Beam Evaporator
Karl Suss Mask Aligner
Microfabrication Facility
Olympus SZX7 Stereoscope

Teaching Experience:

University of Illinois, Urbana-Champaign, IL

Tutor for the Chemistry Learning Centre; Answered questions for students in chemistry courses at UIUC

Spring 2007

Advisor: James Patrick Abulencia

Chemistry Teaching Assistant

General chemistry teaching assistant; taught two recitation sessions and two laboratory sections.

Fall 2006

Advisor: Gretchen Adams

North Dakota State University, Fargo, ND

Chemistry Lab Teaching Assistant,

General chemistry lab T.A.; Graded and supervised one lab section.

2005

Advisor: Greg Oswald (Tel. 701-231-8896)

Chemistry Supplemental Instructor,

Lecturer for optional review of general chemistry class. Spoke to anywhere from 10 - 200 students, depending on proximity to upcoming exams. Three 50 minute class periods per week.

2005

Advisor: Greg Oswald (Tel. 701-231-8896)

Other Experience

Nevada Conservation Corp, Reno, NV

AmeriCorp Volunteer (450+ hrs.)

Sawyer

Mitigated fire danger around the Lake Tahoe basin by felling dead trees, bucking and piling to be burnt later.

Summer 2005

Contact: Jonas Mason or Sean Kroll

Honors & Awards

NDSU General Scholarship (2001)

Undergraduate Research Mentorship Program Fellowship (2001)
Dunbar Memorial Scholarship (2003)
Donald Bolin Memorial Scholarship (2004)
Academic Programs International Study Abroad Scholarship (2005)
National Service Education Award (2005)
NDSU Dean's List (2001-2005)
Phi Eta Sigma National Honor Society (2001)
American Chemical Society Student Member (2001)
Phi Kappa Phi National Honor Society (2004)
Golden Key Honour Society (2004)