

REESE HURTCHER

1500 St. Olaf Ave. • Northfield, MN 55057 • (507) 646-2222 • hurtcher@stolaf.edu

EDUCATION:

St. Olaf College, Northfield, MN
Chemistry and Asian Studies

Bachelor of Arts May 2008
GPA: 3.29/4.0

HONORS:

St. Olaf OLEader Established Leader Award Nominee	2005-2006
Buntrock Presidential Scholarship Recipient	2002, 2003, 2004, 2005
National Dean's List Honoree	2003-2004

ABROAD EXPERIENCE:

National Identity in China and Japan, China and Japan January 2004
Visited four cities in China and four cities in Japan over a total of four weeks to observe and experience each culture and study the differences between the two. Included immersion and interaction with students at St. Olaf's sister universities in Shanghai, China and Nagasaki, Japan and a week-long home stay with a family in Nagasaki.

Short Term Adult Missions Program, San Jose, Costa Rica June 2003
Worked with a missionary family in San Jose, Costa Rica at La Palabra de Vida bilingual school teaching English to students from pre-kindergarten to 12th grade. Helped organize the school library and begin construction on a new school building. Included a home stay with a Costa Rican family and trips to hospitals and neighborhoods in the poorest parts of the city.

RELEVANT COURSEWORK:

Structural Chemistry and Equilibrium, Energies and Rates of Chemical Reactions, Cellular Biology & Genetics, Organic Chemistry (2 semesters), Principles of Physics (2 semesters), Analytical Chemistry, Human Anatomy & Physiology, Biochemistry I & II, Physical Chemistry

Designed a significant **scholarly research project** on a newly approved chemotherapeutic drug that had been recalled by the FDA for retesting

LABORATORY EXPERIENCE:

Structural Chemistry and Equilibrium Lab, Chemical Reactions Lab, Cellular Biology & Genetics Lab, Organic Synthesis Lab (2 semesters), Analytical Lab, Physical Chemistry Lab, Experimental Biochemistry

Participated in a **pilot research-based biochemistry lab**. Created a hypothesis and designed mutations of cystathionine- β -lyase based on a molecular model of its crystal structure, used PCR to copy and replicate the mutated DNA sequence, transfected cells with the mutated plasmid and conducted kinetics experiments with the mutated enzyme and its substrate to test our hypothesis. Lab methods and results anticipated to be published in the summer of 2006.

REESE HURTCHE

Page 2

RELEVANT SKILLS:

Able to operate and interpret data from **analytical instruments** such as:

- 400-MHz NMR with web interface
- gas chromatograph/mass spectrometer
- infrared spectrophotometer
- differential scanning calorimetry
- size-exclusion chromatography
- atomic absorption spectrophotometer
- UV/Vis spectrophotometer
- HPLC
- polarimeter
- laser light scattering

Familiar with the use of Rotovap, centrifuge, titration, polymerase chain reaction (PCR) and gel electrophoresis as experimental tools

Proficient in the use of CAche, Microsoft Word, Excel, and Power Point

Familiar with the use of LabView Data Collection Software, Microsoft Access & Front Page

WORK HISTORY:

Administrative Assistant Opportunity International, Oak Brook, IL Summer 2005, January 2006, Summer 2006

Answered phone calls from the main line and answer or direct inquiries appropriately
Provided administrative support such as data entry, preparing daily donations for deposit
Assisted the Chief Financial Officer with comparison of Opportunity to similar organizations

Peer Advisor St. Olaf College, Northfield, MN September 2005-May 2006

Advised students with questions about internships, graduate school, and resume writing
Promoted graduate school-related resources and programs
Coordinated Center for Experiential Learning assessment efforts; prepared reports of Center usage by semester, annually, and as requested

Hall Receptionist St. Olaf College, Northfield, MN September 2002-May 2005

Answered questions and provide directions to residents and guests
Ensured the security of the hall by monitoring traffic in and out of the building
Worked with other receptionists to create a safe and pleasant living environment for residents

Human Resources Assistant Opportunity International, Oak Brook, IL Summer 2004

Assisted the Human Resources Generalist and the Vice President of Human Resources with projects such as compiling an orientation manual, designing a website with commonly requested information, resolving insurance and contractor issues, organizing and auditing files Handled confidential information with the highest level of confidence

Data Entry Specialist Opportunity International, Oak Brook, IL Summer 2003

Researched and compiled a database of over 5,000 potential major donors throughout the U.S. for a pilot marketing project

EXTRACURRICULAR ACTIVITIES:

Senior Campaign, Partners in Annual Giving, St. Olaf College 2005-2006

Nightingale Mentoring, Volunteer Network, St. Olaf College 2003-2004

Ambassador Hosting, Office of Admissions, St. Olaf College 2002-2004