

REESE HURTCHER

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EDUCATION:

St. Olaf College, Northfield, MN

Bachelor of Arts, Chemistry and Asian Studies received May 2012

Cumulative GPA: 3.29/4.0

HONORS:

St. Olaf OLEader Established **Leader Award** Nominee 2009-2010

Buntrock Presidential **Scholarship** Recipient 2008-2012

National **Dean's List** Honoree 2009-2010

ABROAD EXPERIENCE:

National Identity in China and Japan, China and Japan January 2010

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 2009

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 2012.

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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:



Opportunity International, Oak Brook, IL

Administrative Assistant

May-August 2010-2011, January 2011

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

Human Resources Assistant

May-August 2009

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

May-August 2008

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

Center for Experiential Learning, *Peer Advisor*, St. Olaf College September 2010-Present

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

Office of Residence Life, *Hall Receptionist*, St. Olaf College

September 2008-May 2011

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

EXTRACURRICULAR ACTIVITIES:

Partners in Annual Giving, *Senior Campaign*, St. Olaf College

September 2011-May 2010

Office of Admissions, *Ambassador Hosting*, St. Olaf College

September 2009-May 2010

Volunteer Network, *Nightingale Mentoring*, St. Olaf College

September 2008-May 2009