

Education

University of Oregon - Master of Science - Chemistry with emphasis in Polymer Science

Expected: August 2018

University of Puget Sound – Bachelor of Science - **Major:** Chemistry **Minor:** Mathematics

Received: May 2017

Research Experience

Organic Synthesis - University of Puget Sound - Dr. J. Hanson ***Fall 2015 - Spring 2017***

- Awarded the John Gilbertson Research Scholar Grant after seeking out a research opportunity and formulating a proposal based on the characterization of the MalA enzyme through the synthesis and analysis of six substrate derivatives
- Successfully developed and tested synthetic routes based on literature research to obtain each substrate derivative
- Improved proficiency of chemistry lab practices by working 40 hours a week for 10 weeks in the summer and 8 hours a week during the school year in lab following SOP's, conducting reactions, purifying compounds, and analyzing spectra (NMR, COSY, etc.)
- Increased yields by over 25% by modifying reaction conditions and testing different researched methods
- Effectively communicated research to audiences of varying scientific backgrounds via poster and power-point presentations:
 - UPS Science Symposium
 - 2016 ACS Conference (San Fran.)
 - 2016 Murdock Conference (Spokane)
 - Senior thesis dissertation defense

Chemistry Related Experience

Chemistry Lab TA - University of Puget Sound ***Jan. 2017 - May 2017***

- Supervised safe laboratory practices by teaching students how to safely and correctly use chemical instruments (NMR, GC-MS, FT-IR) and perform chemical techniques (reflux reactions, flash columns, titrations, etc.) in labs of 20 people, twice per week
- Aided my chemistry professors by preparing solutions, grading assignments, answering student questions, reporting common student difficulties, and providing recommendations for changes in the lab

Volunteer Chemistry Tutor - University of Puget Sound ***Sept. 2016 - May 2017***

- Provided assistance for students in physical, organic, general, and analytical chemistry courses by hosting tutor sessions for individuals or groups of up to 10 people, working through and researching problems to explain complex concepts

Work Experience

Busser - Harbor Lights ***July 2016 - May 2017***

- Worked with a team of hosts, servers, and chefs with diverse backgrounds in a fast-paced and high-stress environment, while maintaining strong communication, prioritizing jobs, and multitasking on the spot in front of customers

Medical Scribe - PhysAssist Scribes, Inc.

Dec. 2015 - May 2016

- Worked 10-12 hour shifts with 20+ physicians in the emergency rooms of five hospitals around Tacoma, WA
- Documented all interactions between the patient and the physician, including the patient's history and current story, symptoms, final diagnosis, operations performed, prescriptions and plan for discharge
- Learned 300+ medical terms and applied them to the official documents that were written and signed legally under the physician's name

Student Patrol Officer - University of Puget Sound

Dec. 2013 - Dec. - 2014

- Patrolled campus, enforcing rules to students, peers and people of all ages, while prioritizing security calls and working professionally during serious events (medical emergency, suicide, etc.)

Lifeguard - Wayzata Country Club

May 2010 - May 2011

- Supervised a pool of often more than 50 people, ensuring a safe swimming environment and enforcing pool rules

Volunteer Experience

Emergency Room Volunteer - Tacoma General Hospital

April 2014 - May 2015

- Assisted physicians and patients in the emergency room by providing support during high intensity events (trauma, domestic violence, etc.) and performing daily tasks to make sure all 50 rooms were adequately stocked at all times
 - Trained 4 new staff members of various ages by providing detailed descriptions and demonstrations of daily task requirements

Other

50-Day Backpacking Trip - Brooks Mountain Range, Alaska

June 2013 - Aug. 2013

- Successfully completed 200+ mile expedition in the arctic circle with four other previously unknown individuals
- Learned the importance of team dynamics and shared leadership in a diverse group
- Overcame daily challenges and setbacks as a team by working together and supporting each other in tough situations

Skills

Programming

- Proficient with: Python, LaTeX, Java
- Familiar with: Mathematica

Instrumentation

- Proficient with: NMR, COSY, GC-MS, FT-IR