

Optics 106

Education

University of Oregon

Master of Science, Applied Physics

Expected Graduation September 2018

University of La Verne

Bachelor of Science, Physics

Graduated May 2016

Research Experience

Senior Thesis Research on Faraday Optical Rotation

September 2015 to June 2016

- Successfully calibrated a system for future materials research by calculating the Verdet constants of water at multiple wavelengths of light with less than 10% error
- Employed proper mounting techniques, organizational skills, and troubleshooting methods to acquire accurate experimental data
- Cultivated organization and communication skills by composing a 25-page thesis and presenting results to a committee of faculty and peers

II-VI Foundation Internship at University of La Verne

June 2013 to August 2013

- Determined the dependence of droplet motion on initial conditions by recording over 20 hours of data for 8 different bouncing droplets and modeling the dynamics in MATLAB
- Developed professional communication skills by presenting results to a committee from the II-VI foundation

Work Experience

Lead Server: 4th Street Mill (La Verne, CA)

July 2016 to March 2017

- Boosted internal relations between management and other employees by creating an open and constructive dialogue in the work place
- Improved restaurant image with two 5-star yelp ratings by going above and beyond to provide exceptional customer service
- Identified and corrected employee mistakes by effectively communicating the problem and how things could be done differently in future situations
- Analyzed condition of the front and back of house and delegated tasks in accordance with the restaurant's standards and core values
- Displayed loyalty and responsibility by performing closing duties such as final cleanings, filing paperwork, running final transactions and locking restaurant

Lab Assistant: General Physics Lab (La Verne, CA)

September 2015 to May 2016

- Enabled learning and success by assisting students with lab procedures and answering questions related to course objectives
- Ensured an appropriate lab workspace by assembling delicate lab equipment and enforcing rules pertinent to safety
- Strengthened time management skills by assigning notebook grades in an appropriate timeframe while balancing personal academic responsibilities

Tutor: High school Math and Chemistry (Claremont, CA)

September 2014 to June 2015

- Created a positive learning environment for 3 high school students by developing personal and unique teaching methods for each one
- Motivated a fourth grade student to take academic responsibility by exhibiting patience over many hours of coursework completion

Busser and Food Runner: Il Fornaio (Pasadena, CA)

March 2013 to May 2015

- Enhanced customer experience and restaurant image by greeting all customers promptly and properly, handling large parties efficiently, and exceeding rush hours expectations
- Deepened perseverance and stamina by working up to five 8-hour shifts a week in a fast pace environment

Organizations

Sigma Alpha Epsilon: Member Educator

May 2015 to May 2016

- Fostered interactive learning and interpersonal communication by organizing and promoting a variety of on and off-campus events
- Increased chapter knowledge and commitment by mandating two weekly sessions conducive to learning fraternal history and culture

Volunteer Experience

University of La Verne Honors Program

September 2015 to January 2016

- Connected with the impoverished community by volunteering at multiple food pantries held by Sowing Seeds for Life
- Raised community awareness about food waste and hunger through active social media posts and multiple food drives with an information booth