

PHONG LOS

16970 Chandler Rd, Apt. 6301A East Lansing, MI 48823 (989) 289-7977 losphong@msu.edu

-----Education-----

Michigan State University / East Lansing, MI May 2019
Bachelor of Science Degree in Human Biology - Lyman Briggs College
Minor Degree in Health Promotion
Minor Degree in Bioethics
Cumulative GPA 3.59 – Dean's List all eligible semesters

Mt. Pleasant High School / Mt. Pleasant, MI May 2015
Cumulative GPA 4.17 – Summa Cum Laude
National Honor Society

Gratiot-Isabella Technical Education Center / Mt. Pleasant, MI May 2015
National Technical Honor Society

-----Employment-----

Financial Aid Phone Bank Advisor January 2017- May 2019

Michigan State University Office of Financial Aid / East Lansing, MI

- Assisted students and parents with questions regarding their financial aid
- Gained communication skills related to collaboration and instruction
- Caught on quickly to new tasks and abilities through having to learn the PROSAM, SAM, and ISIS computer systems

Cyber Quest Team Member May 2016 – December 2017

Soaring Eagle Casino and Resort / Mt. Pleasant, MI

- Exemplified outstanding customer service
- Illustrated useful teamwork skills through communicating with staff about improvements
- Learned to be detail-oriented by cash handling and daily paperwork

Principal's Office CO-OP July 2014 - June 2015

Mt. Pleasant High School / Mt. Pleasant, MI

- Collaborated with the principal and the principal's secretary, as well as with faculty and staff
- Carried out daily organizational skills such as filing, morning announcements, and paperwork
- Improved Microsoft Office skills through various tasks requested of the principal

-----International Exposure-----

Course March 2018

OST 590 Dominican Republic Healthcare Delivery System and Culture

- Studied abroad in Santo Domingo, Dominican Republic
- Obtained hands on experience visiting the semi-private hospital, Hospital General de la Plaza de la Salud
- Explored the culture through tours and learned through lectures presented by professors at the medical school, UNIBE
- Compared the differences in healthcare and culture in the Dominican Republic to the United States

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-----Research Experience-----

Thompson Lab

September 2018-Present

Principal Investigator: Dr. Addie Thompson, Ph.D.

- Conducted research on presence-absence variation and how this impacts B73 and Mo17 maize lines
- Conducted research on the presence of an insertion UniformMu mutation in mutated W22 maize lines
- Conducted research on alternative isothermal amplification methods and fast markers using gold nanoparticles
- Utilized laboratory skills such as primer design, various plant DNA extraction methods, polymerase chain reaction, and gel electrophoresis

LB 145 Cellular and Molecular Biology

January 2017- May 2017

Supervisor: Dr. Peter White, Ph.D.

- Conducted research on the presence of fish mislabeling in the Greater Lansing area
- Performed laboratory tasks throughout the entirety of the semester such as DNA extraction, PCR, Gel electrophoresis, and PCR clean up
- Used FinchTV to view and compare BLAST sequences to sanger sequencing results

LB 144 Organismal Biology

August 2016- December 2016

Supervisor: Dr. Douglas Luckie, Ph.D.

- Conducted an observational study showing fight or flight behavior involving squirrels and distracted eating on MSU's campus
- Researched the Phenylethanolamine N-methyltransferase gene and its properties
- Learned the basics of coding and utilized this skill in creating a transcript for this study
- Full research found at: <https://msu.edu/~dutch28/>

Research Presentations

Thompson Lab

- The Detection of Presence-Absence Variation in Maize Using an Isothermal Alternative to PCR
 - Presented at Corteva-PBGB-IMPACTS Symposium: Phenomic Applications in Plant Breeding
- December 2019

LB 172 General Chemistry II

- Why We Are “Big Fans” of Renewable Energy
 - Presented at Lyman Briggs Research Symposium
- April 2016

LB 171 General Chemistry I

- The Structure and Effects of a Double Edged Chemical: Creatine
 - Presented at Lyman Briggs Research Symposium
- November 2015

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-----Volunteering-----

Hospice Volunteer

Stoneleigh Residence and Hospice of Lansing/ Lansing, MI

April 2019- Present

- Interacted with residents through conversing, listening, playing games, and participating in various activities
- Assisted nurses with any tasks they needed help with
- Aided residents in eating meals if assistance was necessary

High School Facilitation Volunteer

Thompson Lab / East Lansing, MI

July 2019

- Aided students in various interactive education activities regarding maize
- Presented about general wet lab tools and techniques

STEAM Night Volunteer

Whitehills and Glenclaire Elementary / East Lansing, MI

September 2016- March 2017

- Taught elementary level students about different forms of science through kid-friendly activities

Academic Service Learning Program Volunteer

January 2016- May 2016

Glenclaire Elementary / East Lansing, MI

- Assisted in teaching a kindergarten class about reading, writing, spelling, and math
- Supervised the class during recess and free-time

-----Job Shadowing Experience-----

Dr. James Ware, D.O.

August 2019

MidMichigan Health / Alma, MI / Mt. Pleasant, MI

- Observed Dr. Ware's clinical rotations in Mt. Pleasant where he followed up with healing patients, administered cortisone shots, met with new patients, and examined x-rays.
- Observed Dr. Ware's operating room in Alma where I was able to see him perform a total hip replacement, a total knee replacement, a bursitis excision, and a shoulder scope to repair a torn rotator cuff.

Dr. Karl Nadolsky, D.O.

August 2019

SHMG Diabetes and Endocrinology / Grand Rapids, MI / Holland, MI

- Observed Dr. Nadolsky's inpatient and clinical rotations in Grand Rapids where he fulfilled referrals, followed up with patients, and met with new patients.

-----Affiliations and Community Involvement-----

Member Involvement

- Alpha Chi Sigma Professional Chemistry Fraternity January 2017 – May 2019
- MSU Kids Without Cancer January 2018 – May 2019