

EDUCATION

Haverford College, Haverford, PA *B.S. Diploma May 2018*
Major: Biology Minors: Environmental Studies and Spanish GPA: 3.53
Senior Thesis: "The phyllosphere of *Phragmites australis*: insights into biocontrol for an invasive species."
The Bush School, Seattle, WA *Diploma June 2014*

RELATED EXPERIENCE

Wilson Laboratory, Haverford College, PA *2017-2018*

Senior Thesis Research

Utilized environmental microbiology techniques (PCR, DNA sequencing etc.) to explore the contribution of beneficial microbial interactions to the cryptic invasion of *Phragmites australis* and investigate biocontrol.

Department of Biology, Haverford, PA *2017-2018*

Teaching Assistant

Help students with laboratory procedures and the process of understanding the overarching biological concepts. Laboratory set-up and reagent preparation before each class.

Great Lakes Bioenergy Research Center, East Lansing, MI *Summer 2016*

Research Experience for Undergraduates

Laboratory work utilizing fluoresce microscopy to analyze cell wall components in a recently developed mutant wood to determine its viability as a biofuel stock. Analyzed data, prepared and presented a poster.

Poster: "Microscopic Study on Zip-Lignin Poplar Altered by CuAHP Pretreatment." **Amelia Keyser-Gibson**, Muyang Li, Aditya Bhalla, David Hodge, Shi-You Ding.

Bay Hay and Feed, Inc., Bainbridge Island, WA *Summers 2014, 2015 and 2017*

Nursery Manager Assistant

Plant identification and home garden knowledge and experience.

SKILLS

Laboratory: PCR, Fluorescence Microscopy, Histology, Gram staining, Gel electrophoresis, IR, NMR, Flow cytometry, Analytical Ultracentrifugation Sedimentation Velocity, Circular Dichroism, Immunoblotting, Molecular cloning

Technology: Proficient in Windows, Mac, Microsoft Office, InDesign, Illustrator, Photoshop, OriginLab, MestReNova, ChemDraw, ImageJ, CDpal, SedFit, BLAST, familiar with R.

Language: Fluent in Spanish reading and writing

AWARDS

The Irving Finger Prize in Biology, *Haverford College Department of Biology* *2018*

Awarded to a graduating senior (or seniors) in Biology for outstanding growth and accomplishment in the major.

OTHER EXPERIENCE AND ACTIVITIES

Women's Varsity Cross Country and Track teams, *Haverford College* *2014-2018*

Captain for 2016-2017 and 2017-2018. Received All-American honors for 3rd place finish in the Distance Medley Relay at NCAA DIII Indoor Track Championship. 2015, 2016, 2017 NCAA DIII National Cross Country Championships qualifier.

Haverford Coop, *Haverford College* *2014-2018*

Student Manager

Organize and train student workers at the on campus cafe. Assist customers, prepare drinks and food products.

ETHOS Food Justice Initiative, *Haverford College* *2014-2018*

Worked to promote more ecological and socially sustainable food on campus by changing the Dining Center sourcing and hosting community events.

Environmental Co-op (ehaus) Food Purchaser, *Haverford College* *2016-2018*

Coordinate and select the bulk, local and sustainable food purchasing for the on campus environmental co-op. Live and participate in the mission of the co-op by promoting sustainable living habits for college students.

Student Co-Chair of the Food Systems Working Group, *Haverford College* *2016-2018*

Meet bi-monthly with administrators in order to organize and initiate sustainable changes in our dining services.