

HANNAH SUTTON

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PERSONAL PROFILE

Determined, proactive, and academically successful undergraduate biology student with experience in both lab work and field work. Experienced in working in a team research environment and comfortable in a lab setting. Prepared for various fields of research by previous and current coursework. Motivated to pursue career in biological research, science communication, and continuing to generate of scientific knowledge throughout lifetime.

EDUCATION

Bachelor of Science, Biological Sciences

University of Maryland at College Park
College of Computer, Mathematical, and Natural Sciences

Expected Graduation: May 2020

GPA: 3.83

Minor in Art History

Relevant Coursework

- Science Writing, Conservation Biology, Biology of Insects, Cell Biology and Physiology, Principles of Ecology, Principles of Evolution, Principles of Genetics, Biochemistry I

Special Programs

- Gemstone Undergraduate Team Research Program
- University of Maryland College of Computer, Math, and Natural Sciences Dean's List
- 2018 University of Maryland Bioscience Research Day Poster Presentation
- 2019 University of Maryland Undergraduate Research Day Poster Presentation
- 2019 University of Maryland Bioscience Research Day Poster Presentation

WORK EXPERIENCE

University of Maryland Lamp Lab

Research Assistant

College Park, MD
August 2019 – Present

- Assisted in writing systematic review of molecular gut content analysis of the Spotted Lantern Fly
- Researching the host plant range of the invasive Spotted Lantern Fly through molecular techniques

University of Maryland Horn Point Laboratory

Research Assistant

Cambridge, MD
June 2019 – August 2019

- Worked in the field and in the lab studying stem-boring insect populations on Poplar Island, MD
- Studied stress responses of salt marsh grasses and soil nitrogen concentrations in dredged material

University of Maryland Borgia Lab

Research Assistant

College Park, MD
March 2019 – Present

- Digitizing recordings of silk bowerbird mating displays
- Researching the relationship between courtship calls and male mating success in bowerbirds

University of Maryland Bioprocess Scale-Up Facility

Undergraduate Researcher

College Park, MD
June 2017 – Present

- Developed and proposed a research plan
- Researching bacteriophage cocktails as therapeutic for antibiotic resistant bacterial infections
- Working with BSL 1 and BSL 2 bacterial species
- Generating bacterial growth curves
- Culturing bacteria and amplifying bacteriophages
- Carrying out one-step growth curve for bacteriophages
- Performing plaque assays

United States Geological Survey- Native Bee Inventory and Monitoring Lab

Beltsville, MD

Intern

August 2015 – May 2016

- Photographed entomological specimens to be published online and for general use
- Researched the impact of collection technique on DNA quality for genome sequencing in bees
- Received and processed native bee specimens
- Digitized survey data
- Set up and collected from field traps for bee collection
- Communicated findings to lay audience

Lighthouse Pools Management, Inc

Laurel, MD

Pool Operator and Manager

May 2014 – September 2018

- Obtained experience as a lifeguard before being promoted to a leadership position
- Worked out of doors during the summer
- Planned schedule for full staff
- Maintained extremely safe and clean pool environment
- Developed time management, leadership, and communication skills

ACTIVITIES

R Club

June 2019 – August 2019

- Developed programming and statistics skills
- Learned R programming language

Gemstone Undergraduate Team Research Program

August 2016 – Present

- Acquired further time management and communication skills in order to work as a team
- Developed technical writing, research, and experimental design skills

Laurel Winter Shelter

February 2009 – Present

- Served and housed homeless men and women from the greater Laurel area
- Dedicated time and service to building relationship and improving lives of homeless community

Food Recovery Network at the University of Maryland

August 2016 – May 2017

- Packaged and redistributed excess food from University of Maryland dining halls to the community
- Acquired understanding of food waste and resource conservation

AWARDS

- University of Maryland College of Computer, Math, and Natural Sciences Dean's List | 2016-Present
- GEMS104 Best Poster
- Gemstone Best Poster – University of Maryland Undergraduate Research Day

SKILLS

Computer

- MS Word
- MS Excel
- MS PowerPoint
- MS Outlook
- Photography

Lab Work

- Aseptic technique
- Micro pipetting
- Autoclaving
- Bacterial cell culture

- Bacteriophage amplification
- Plaque assays
- Insect Identification

Field Work

- Vegetation sampling
- Insect sweeps
- Surface Elevation Table (SET)

Research

- Experimental design
- Poster making
- Technical writing
- Data digitization
- Systematic literature review

Language

- Fluent in German