Elisia Wright

One of the top 60 undergraduate researchers in the United States.

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Allegheny College, Meadville, PA

Expected Graduation: May 2021

Bachelors of Science

Computer Science/Environmental Studies

Cumulative GPA: 3.34/4.00

Experiences

Allegheny Mozilla Fellow/ Allegheny College   *AUG 2019 - PRESENT*
- Engineer tools and programs that promote ethical computing
- Program code that stops the spread of misinformation and protects the data of users
- Engage in team-based projects

Computer Science Technical Leader/ Allegheny College   *AUG 2019 - PRESENT*
- Assist professors during class and laboratory sessions with instructional responsibilities
- Effectively troubleshoot with students and resolve technical issues for course assignments
- Hold weekly office hours

Environmental Research Assistant/ Allegheny College   *SEPT 2018 - PRESENT*
- Assist in the field with long-term experiments related to climate change and acid rain
- Collect data samples and process plant tissue samples in the laboratory

Lake Erie Shipboard Science Instructor/ Pennsylvania Sea Grant   *MAY 2019 - JUN 2019*
- Educated students about the ecology and environmental health of Presque Isle Bay
- Supervised the demonstrations of the chemical, physical and biological science methods associated with water quality sampling

Sustainable Community Certification Intern/ Meadville City Council   *SEPT 2018 - DEC 2018*
- Implemented a plan to help establish an Environmental Advisory Council
- Created programs encouraging sustainability in businesses
- Devised a plan for sustainable events
- Analyzed and improved landscape maintenance practices

Relevant Experiences: Research

An Intelligent Underwater Robotic Smart-Sensing System for Water Quality Testing

SEPT 2018 - PRESENT

- Built and designed an underwater robot that can travel to different depth in the water column to collect data
- Developed a machine learning algorithm that can predict future trends in water quality
- Utilize various parameters such as temperature, pH, conductivity and dissolved oxygen for methods of testing water quality
- The data retrieved is used to protect coastal environments and surrounding communities
  Conference Presentations:
    - Congress (*Posters on the Hill 2019*)
    - *The 32nd International Conference of the Florida Artificial Intelligence Research Society* (FLAIRS-32)

Using Python and GitHub for Team Formation and Assessment   *JAN 2019 - MAY 2019*
- Team Leader of 6 students working to create and deploy project site
- Developed a program called *GatorGrouper*, which automates team selection
  Conference Presentations:
    - *PyCon 2019*

Recognitions

- One of the top 60 undergraduate researchers in the United States, as of 2019
- Research has been featured in various news outlets:
    - *The Washington Times*
    - *USAToday*
    - *Environmental Monitor Magazine*
    - *Allegheny Magazine*
    - *Erie Times-News*
- *Outstanding Achievement in Research Award*: The Council on Undergraduate Research (CUR)
- Allegheny Trustee Scholarship
- Pinelands Garden Club Scholarship,
- Mount Laurel Garden Club Scholarship

Activities and Volunteering

- Social Media Chair of the Green Students of Color Society
- Women of Computer Science
- Computer Building Club
- Black Girls Magic Club
- Volunteer Judge at Pennsylvania Junior Academy of Science
- Volunteer at Mount Laurel Library Book Sales