

AUDREY SHINGLETON

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EDUCATION

University of Washington

June 2020

Seattle, WA

- B.S. Applied and Computational Mathematical Sciences
- Cumulative 3.75 Grade Point Average
- Annual Dean's List 2016-2020

WORK EXPERIENCE

Science Undergraduate Laboratory Intern
Algorithm Development

June 2019 – August 2019

Pacific Northwest National Laboratory - Sequim, WA

- Worked to mitigate the costs of environmental assessment around wind turbines.
- Wrote and tested Python programs to predict avian species from thermal video data.
- Developed an end-to-end processing pipeline.
- Designed algorithms to extract features from thermal images.
- Worked with a semi-structured data model in JSON.
- Crafted program design and requirements.
- Collaborated with other PNNL researchers to develop algorithm methods.
- Implemented a command line interface for testing.
- Authored a research report and presentation.

Science Undergraduate Laboratory Intern
Data Analysis

June 2018 – August 2018

Pacific Northwest National Laboratory - Sequim, WA

- Worked to evaluate restoration efforts of the Columbia River.
- Developed R programs to clean and analyze multiple large datasets.
- Authored a research report and presentation.

Residential Programming Board Assistant Director

September 2017 – March 2020

UW Housing & Food Services - Seattle, WA

- Engage residents in an inclusive community through large-scale, diverse, social programming.
- Plan and facilitate events for 9,000+ residents.
- Managed communication and collaborative efforts with on-campus amenities.
- Developed new outreach strategies to increase community engagement.
- Oversaw and lead four teams to execute a Haunted Laser Tag for 250 residents.