

Helena Coker is an undergraduate, class of 2022, at Washington State University Vancouver, where she majors in biology, neuroscience, and environmental science with minors in mathematics, zoology, chemistry, statistics, psychology, and environmental science and certifying in mathematical biology. She currently interns in the Community Ecology and the Conservation Biology laboratories on WSUV's campus. Her passions include computational researcher, community science, wildlife conservation, mathematical biology, behavioral modeling, and the biological basis of behavior in animals.

Her previous researcher experience includes DNA extraction and PCR for studying the effects of *Batrachochytrium salamandrivorans* on native amphibian species in the Pacific Northwest of the United States, a comprehensive literature review of related research studies of the western monarch butterfly, creating scientific research summary blog posts for research in the family of *Elephantidae*, presence and abundance surveys for the American pika, *Ochotona princeps* for the community science project through the Oregon Zoo, as well as citizen science roles in the Audubon's Vaux Swift Watch, Harborton's *Rana draytonii* mating surveys, and turtle nesting surveys.

After graduation, she plans to pursue graduate degrees in the fields of computational biology, genomics, and chemistry and neuroethology and behavioral ecology. For her postdoc work she hopes to continue working in the field of research and plans to work on making super computing

accessible to life scientists for use on their research through science gateways and other methods of bridging the gap between two highly technical fields.