Alan **Constant**

JUNIOR COMPUTATIONAL BIOLOGIST

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Background

Alan Constant is a Junior Computational Biologist with Poisson Consulting Ltd. He has a strong passion for ecology and conservation, and hopes to use data science and computational biology to help inform decision-making in ecosystem health, conservation and sustainability.

Education

2021	OCAD in Ecosystem Management Technology	*Fleming College*
2020	BSc (Hons.) in Wildlife Biology and Conservation	*University of Guelph*

Career

2021	Junior Computational Biologist	*Poisson Consulting*
2020-21	Conservation and Restoration Technician	*A Rocha Canada*
2019	Molecular Biology and Genomics Lab Technician	*University of Guelph*

Recent Projects

Cedar Haven Environmental Impact Assessment (2021)

Cedar Haven Eco-centre, located in Freelton, ON is an important wetland for the area and houses incredible biodiversity. As environmental education programming picks up at Cedar Haven, preliminary environmental impact assessments were conducted to ensure the development of semi-permanent teaching structures would cause as little damage to the surrounding ecosystems as possible. A total of 6 locations on-site were surveyed for vegetation and wildlife inventories, classified according to their ecological land classifications, and investigated for specialized wildlife habitats.

Cedar Haven Pond Renaturalization (2020 - ongoing)

The pond at Cedar Haven provides habitat to several species of conservation concern in southern Ontario, however there are some water quality concerns and invasive species present that are harming the habitat quality. Starting in 2020 a restoration plan was created and implemented to remove invasive plant species, introduce native species, and conduct regular vegetation, wildlife and water quality monitoring.

Mobula birostris Species Account (2019)

The most current giant oceanic manta species account was growing more dated as new research on the species came in, so a new species account was conducted investigating the species' behaviours, distribution, diet, conservation status, threats and more. Special emphasis was placed on recent discoveries, such as new taxonomic developments or the species' apparent self-awareness in intelligence testing.

Languages

English, French

Interests

Hiking, databases, music, plant and animal identification, Dungeons & Dragons