

JACK RAJIV FARLEY

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EXPERIENCE

MAY - AUGUST 2023, 2024

Undergraduate Student Researcher | Irwin Lab of Zoology | University of British Columbia

- Built new functionality on top of an existing computer simulation of a hybrid zone written in Julia
- Optimized the existing code to run over 20x faster and added documentation and unit testing
- Reviewed prior literature to determine open areas of investigation
- Currently in the process of writing an academic paper detailing the summer's findings

MAY 2024

Volunteer Field Technician | Birds Canada | Long Point Bird Observatory

- Banded birds from a remote field station
- Conducted other protocols including nest monitoring and marsh bird surveys

MAY - AUGUST 2022

Student Wildlife Biologist | Ontario Ministry of Natural Resources and Forestry | Hudson Bay Lowlands

- Located and monitored shorebird and goose nests
- Conducted point counts for the Ontario Breeding Bird Atlas
- Banded ~1000 Canada Geese and assisted with aerial surveys for Polar Bears, Sandhill Cranes, etc.
- Carried out other protocols including small mammal transects, herbivore abundance plots, incidental predator surveys, permafrost sampling, and autonomous recording unit deployment

SEPTEMBER 2021 - MAY 2022

Intern at Fundación Maquipucuna and the Sustainable Roots Foundation | Various locations, Ecuador

- Independently conducted research on birds and dragonflies for the Sustainable Roots Foundation
- Led and assisted with bird and bear walks for tourists

JULY - AUGUST 2020

Student Ranger (Maintenance) | Ontario Parks | Killarney Provincial Park, ON

- Maintained park facilities (cleaned washrooms, cut grass, built picnic tables, etc.)

SEPTEMBER 2017 - JANUARY 2020

Volunteer and High School Co-op as an Assistant to the Collections Manager in the Department of Natural History | Royal Ontario Museum | Toronto, ON

- Organized the ornithological collections and entered data

AUGUST 11-27, 2018 & 2019

Volunteer Field Technician at Longridge Point for the James Bay Shorebird Project | Canadian Wildlife Service

- Conducted daily shorebird surveys along the James Bay coast

EDUCATION

SEPTEMBER 2016 - JUNE 2020

MaCS Student at William Lyon Mackenzie Collegiate Institute | 98% average

SEPTEMBER 2020 - APRIL 2025

Honours Mathematics at the University of British Columbia | Trek Excellence Scholarship 2023

SKILLS

- Field identification of flora/fauna
- Banding birds
- Data entry
- Adobe Creative Suite
- Programming (Java, JS, R, etc.)
- Microsoft Office (Excel, Word, Ppt)
- Web Development (HTML, CSS, PHP)
- Document preparation with LaTeX

ACCOMPLISHMENTS

- I designed and developed from scratch websites for a registered charity (nachiketchildrenslibraries.org) and a freelance journalist (sharonwrites.ca)
- I've conducted original research and wrote a paper that was selected for publication in the University of British Columbia's digital repository cIRcle
- I've had my photography published in Canadian Geographic, the Toronto Star, The Canadian Nature Photographer, and DESI Magazine
- I won honourable mention in Canadian Geographic Wildlife Photographer of the Year
- I am a recipient of the Doug Tarry Young Ornithologists Award
- I received Wilderness First Aid certification and my PAL for working in remote environments

PHOTOGRAPHY PORTFOLIO

<https://youpic.com/photographer/jackfarley1025>