Wing-Zheng Ho

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Seeking position in: **Fisheries/ Forestries/ Wildlife Conservation**

I'm a recent graduate of BSc Biology, Specialization in Ecology at Concordia University. Emphasized interest in Conservation, eager to apply my skill set acquired through academic and professional settings to various challegengin issues. Previously taken up roles as team leader, team member and independent contractor, I'm confident in my ability to function effectively in all situations/ work environments, whether supervising, under supervision, and/or independently.

Relevant Skills:

Field Work:	Plants/Lichen identification and sampling, First Aid training, Electrofishing (Backpack), Pleasure craft license, Camping, Rock climbing/Bouldering, Hiking, WHMIS safety training
Data Analysis:	Random Forest, SVM
Programming Languages:	R, C++, Java, Python, SQL, HTML, CSS, Javascript, Node JS
Tools:	ArcGIS, Visual Studio, MySQL, Apache, Google Cloud API, Google Vision API, TensorFlow, Adobe Photoshop, GitHub

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Project:

PopuluR | June 2020 - August 2020 - WIP
An R Shiny app inspired by Populus. An Ecological Modeling simulation software created by University of Minnesota, often used for educational purposes in teaching settings. Initially started as a UI revamp of the original Java version, then gradually turned into a complete remake into a web app utilizing R and shiny, making it more accessible for students that do not have access to a compatible computer for the original software. My iteration of the software includes UI improvements such as mouse-over tooltips for user input, full interactivity with generated graphs, and ease of access to help and references text.

Relevant Experience:

Mcgill University | Dr. Hendry's Lab | January 2020 - May 2020
While here, I've worked on transferring fin clip samples to sticklebacks into new and more leak-proof tubes for better preservation purposes. Developed a semi-automated process of labelling samples pictures with their respective serial numbers, by taking advantage of the OCR (Optical character recognition) technology through Google Vision API. Shortening the re-labeling time of 10,000~ pictures from weeks to just a few hours. And took part in guppies care and monitoring, responsible for feeding, water change, and recording/regulate ambient temperature, pH, nitrite, ammonia levels and any abnormal behaviours.

Waste Management Technician
NI Corporation | May 2017 - July 2017
Worked on a neighborhood compost survey project, assessing the implementation rate of a new compost bin system in a neighborhood. Sorting and recording the amount of compostable material misplaced into waste bins. Analyse the data and submit the report to the municipality with plans and recommendations to improve the implementation rate. - Sorting through waste bins previously sat for a week in 40 ℃ summer heat, enduring the horrendous stench coming from those maggots infested wastes, taught me more on my ability to get through any working harsh environment presented to me.

Web Developer
Freelance | 2010 - Present
Specialize in e-commerce integration, such as setting up e-shop for local business (Product catalog, Point of sale, Online payment), Portfolio site for artists, and Backend optimization of CMS (Content management system) and SEO (Search Engine Optimization). Currently only accepting projects to update and maintenance for existing client's websites.

Supervisor
A&W Food Services of Canada, Inc. | June 2011 - May 2012
It's given me the opportunity of managing a team, utilizing each team member's forte to accomplish tasks in the most efficient way, facilitating interpersonal communication putting potential conflicts to minimal.

Education:

Concordia University: BSc Biology, Specialization in Ecology | 2017-2020