Kristina Da Silva, MSc., G.I.T.

Oakville, Ontario
289-242-4828
kristina.dasilva17@gmail.com

EDUCATION

University of Toronto

MSc. Earth Sciences, Research Based
Graduated December 2018
Thesis: "Linking mid-Holocene carbon accumulation rates with pollen-inferred paleo-vegetation and environmental changes in a Hudson Bay Lowlands peat bog"

- Research involved using paleo proxies and geochemical data (ICP-AES)
- Presented research at seminars and conferences (CANQUA/AMQUA 2018)
- Manuscript publication in progress

University of Toronto

HBSc. Earth Science Specialist
Graduated June 2017
with Distinction, Cum. GPA: 3.21
Thesis: Facies Analysis and Flooding Reconstruction of Cenote Yax Kai, Quintana Roo, Mexico

COURSE WORK

Graduate

Geochemistry
Advanced Hydrology & Water Quality
Research Thesis

Undergraduate

Hydrology Fundamentals
Physical Hydrology
Environmental Geology
Soil Science
Methods of Environmental Assessment
Geomorphology
Global Biogeochemical Cycles
Sedimentology
Global Weather & Climate
Advanced Structural Geology
Igneous & Metamorphic Petrology

AWARDS

Graduate Student Proposal Talk Award
A. T. Griffis Memorial Graduate Scholarship
Frederick R. Burton Scholarship in Earth Sciences

EXPERIENCE

Wildlife Conservation Society of Canada

Project Assistant - Short-term Contract
November 2018-January 2019

- Reviewed and synthesized key literature related to peatland paleo carbon stocks for WCSCs Understanding the Carbon Value of Unmanaged Forests and Peatlands in Ontario and Quebec project
- Contributed expertise, writing, and ideas for development of a Rapid Assessment which serves as a discussion document to guide follow-up work including a workshop, and to identify information and data gaps.

University of Toronto

Research Laboratory Assistant
March 2016-December 2018
Assisted with the analysis of samples for global change research in a laboratory setting. Responsibilities include:

- Data collection via site location and sediment probing, core sampling and collection, core logging, chemical processing, optical microscopy
- Quantifying measurement error, data entry, data analysis, and data synthesis
- Technical report writing
- Instrument maintenance and troubleshooting (microscope calibration and software, centrifuge)
- Method and SOP development for lab use

University of Toronto

Assistant Instructor and Teaching Assistant
September 2017-April 2018

- Provided lecture on paleoenvironments and environmental reconstructions with proxies
- Led tutorials, laboratory exercises, vigilated exams, marked assignments and exams

SKILLS & CERTIFICATIONS

- R Statistical Software, Novice ArcGIS, Microsoft Office, LaTeX, Adobe Illustrator
- Inorganic and organic microwave-aided acid digestions and ICP-OES
- Handling of hazardous materials (including HF)
- Field techniques and geologic mapping
- Mineral, macro, and microfossil identification
- G Driver's License
- Standard First Aid - CPR A - AED