

Michael F. Scinocca

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EDUCATION

Master of Science Degree, Earth and Environmental Sciences (in-progress) **01/18 – 04/20**

University of British Columbia, Kelowna, BC

Supervisor: Dr. Mathieu Bourbonnais

- Working on UBCO's Enhancing Ecosystem Sustainability project as a research assistant
- Thesis project considers the influence of riparian zones on stream dynamics and salmon habitat

Bachelor of Science Degree, Geography **01/18 – 04/20**

University of Victoria, Victoria, BC

- Focused on studies relating to geomatics
- Completed a Directed Studies mapping project for the Enguserosambu Forest Trust

Certificate, Plumbing and Pipe Trades Foundations **03/16 – 10/16**

Camosun College Interurban, Victoria, BC

Associate of Arts Degree, Criminal Justice **09/11 – 04/13**

Camosun College Lansdowne, Victoria, BC

Secondary School Graduation Diploma **09/07 – 06/11**

Mount Douglas Secondary School, Victoria, BC

TEACHING EXPERIENCE

Graduate Research Assistant **07/20 – Present**

University of British Columbia, Kelowna, BC

- EESC 380 – Fundamentals of Geographic Information Science I – (Winter)
 - Facilitated two lab sections of 8-15 students, and carried out marking responsibilities
 - Troubleshooted student questions and concerns relating to the completion of lab expectations
- EESC 381 – Fundamentals of Geographic Information Science II – (Spring)
 - Facilitates two lab sections of 9-13 students, and carried out marking responsibilities
 - Troubleshoots student questions and concerns relating to the completion of lab expectations

PROFESSIONAL EXPERIENCE

- Student Geospatial Technician – Directed Studies** **01/20 – 04/20**
University of Victoria - Enguserosambu Forest Trust
- Unpaid position completed as a Directed Studies course through UVic.
 - Digitized all hand-recorded maps and attribute information into GIS environments
 - Worked with team members to ensure accuracy of digitized products
- Jr. Geospatial Technician (Co-op)** **05/19 – 08/19**
BC Ministry of FLNRORD, Dawson Creek, BC
- Georeferenced 1940's air photography for multiple projects, and taught these skills to others
 - Edited multiple GIS datasets to then produce many field maps for multiple different departments
 - Aided office staff with questions relating to managing files in Windows versions 7 and 10
- Front End Staff Member** **10/17 – 01/20**
Shanzee's Biscuit Café, Victoria, BC
- Create a welcoming environment for guests while teaching and supporting other staff members
 - Conduct POS edits and implementation, along with extra digital and store-maintenance tasks
- Customer Service Representative** **03/17 – 10/17**
Budget Rent A Car of Victoria, North Saanich, BC
- Wrote and adjusted contracts for customers renting vehicles in a busy, high volume location
 - Utilized multiple computer applications and platforms to charge customers appropriately
- Apprentice Plumber (1st Year)** **10/16 – 02/17**
OMNI Mechanical, North Saanich, BC
- Routinely reviewed building plans and summarized findings for management
 - Assisted journeymen in installation of piping materials, and workspace preparation
 - Followed WorkSafeBC protocol in the correct handling and safe usage of tools and materials
- Hockey Department Manager** **08/13 – 08/16**
Sports Traders, Victoria, BC
- Effectively managed customer and management expectations during high volume seasonal peaks
 - Created and successfully utilized Microsoft applications for orders, inventory, and sales
 - Carried out all aspects of purchasing new and used sporting goods for the department
 - Administered training, support and guidance to junior sales staff, and created training manuals

COMMUNITY INVOLVEMENT

Volunteer Geospatial Technician

04/20 – 07/20

Enguserosambu Forest Trust

- Continued on work that had previously been started during a Directed Studies project through UVic
- Reviewed and Edited all hand-recorded maps and attribute information in GIS environments
- Aided in the creation of maps to be used within a report on the Loita Maasai of Northern Tanzania

Volunteer Head Coach

08/15 - 03/19

Victoria and Saanich Minor Hockey Associations, Victoria, BC

- Organize and lead practices for players ages 11 to 15
- Encourage a positive learning environment while working with a variety of skill levels
- Maintain open lines of communication with parents, players and directors throughout the season
- Fill in for colleague coaches when they are unable to attend a practice
- Nominated for the Bob Lindal VMHA 2016 Award of Merit for coaching

TECHNICAL SKILLS

- Programs loops, objects, and graphical user interfaces in Java and Python languages.
- Routinely creates, maintains, digitizes, edits, and analyzes data in a variety of GIS software
- Utilizes RStudio software to for statistical computations, graphing, spatial processing and modelling
- Manages files, geodatabases, and metadata for easy linking, sharing, and replication of data
- Applies hypothesis formulation, sampling strategies, parametric and nonparametric statistical tests, and statistical models to solve geographic problems
- Conducts terrain analysis, calculates least cost paths, and interpolated spatial point data
- Executes multi-criteria analysis for suitability, and shares data through online GIS applications
- Develops geospatial workflows and iterated geoprocessing tasks through pseudocode, model automation, and ArcPy code
- Applies Goodness of Variance Fit tests to determine classification methods for thematic mapping
- Considers cartographic requirements and intended audiences when producing thematic maps such as choropleth, proportional symbol, radial flow, cartogram, and 3D maps
- Computes LiDAR-based metrics to explain vegetation characteristics at different spatial scales.
- Manipulates LiDAR point-clouds to produce DEMs, DTMs, DSMs, and other hydrological outputs
- Administers atmospheric correction, ROI collection, and spectral analysis of remotely sensed images regarding vegetation, cyanobacteria, and thermal infrared surface temperatures
- Collects, processes, and uses passive microwave, and active microwave (RADAR) data
- Explains riverine, desert, coastal, glacial, hillslope and permafrost environment processes
- Practices cloud-based geospatial processing with Google Earth Engine
- Produces tabular products, reports, graphics, and descriptive statistics to desired standards
- Evaluates acquired data for continuity, standards compliance, and cartographic integrity
- Class 5 driver's license (2011)