Martin **Queinnec**

REMOTE SENSING SPECIALIST | PhD

Vancouver, British Columbia, Canada

☐ 778-513-0319 | ✉ martinqueinnec@gmail.com | 🔗 martin-queinnec

About me

Remote sensing specialist and environmental engineer passionate about applying remote sensing and geospatial data analysis to monitor ecosystems. Strong experience with LiDAR and multispectral imagery data manipulation and their integration into predictive models.

Education

PhD in Remote Sensing applied to Forestry
Vancouver, Canada

UNIVERSITY OF BRITISH COLUMBIA
January 2019 - December 2022

- Enhancing the characterization of forest structure and resources for forest inventory and monitoring using airborne and spaceborne single photon lidar

MSc in Environmental Sciences and Engineering
Lausanne, Switzerland

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
September 2015 - July 2017

- Master thesis: Influence of mountain shading on the spatial interpolation of direct shortwave radiation for snowmelt modeling

BSc in Environmental Sciences and Engineering
Lausanne, Switzerland

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
September 2012 - July 2015

Experience

Teaching Assistant
Vancouver, Canada

FACULTY OF FOREST RESOURCES MANAGEMENT (UBC)
January 2019 - May 2022

- Developing course content (lectures and assignments) and guiding students to learn about remote sensing concepts and develop research proposals
  - CONS 127 - Observing the Earth from Space
  - FRST 443 - Remote Sensing for Ecosystem Management
  - GEM 520 - Remote Sensing for Ecosystem Management (for the Master of Geomatics for Environmental Management program)
  - FCOR 599 - Project Proposal Development and Proof of Concept (for the Master of Geomatics for Environmental Management program)

Co-instructor
Vancouver, Canada

FACULTY OF FOREST RESOURCES MANAGEMENT (UBC)
September 2021 - December 2021

- Responsible for teaching spatial data processing with R to students in the Master of Geomatics for Environmental Management program
  - GEM 520 - Remote Sensing for Ecosystem Management (Co-instructed with Nicholas Coops)

Engineering internship
Francin, France

HYDRETUDES
July 2015 - September 2015

- Hydraulic studies and river management planning; Contribution to various studies related to flood protection in moutainous environments

Skills

Data Science	R (including spatial data processing); Lidar processing (LAStools, lidR); QGIS/ArcGIS Pro
Writing and Communication	Peer-reviewed publications; Public speaker (instructor and conferences)
Languages	English (Professional working proficiency); French (Native); Spanish (Intermediate)

Awards

MGEM GTA Award
Vancouver, Canada

2022

- The MGEM GTA Award recognizes outstanding contributions by graduate teaching assistants (GTA) from the Master of Geomatics for Environmental Management (MGEM) program. Each year one GTA who has demonstrated exceptional teaching excellence is selected for the award.

MFSA Prize for Spatial Analysis
Lausanne, Switzerland

2017

- Rewards a student whose Master project is characterized by an innovating integration of an aspect of spatial analysis

Best Master Project in Environmental Sciences and Engineering – SIA Vaud

Lausanne, Switzerland
2017

- Rewards each year the best Master thesis that stands out by its excellence