Tarek Koudmani – GIS Analyst – Licker Geospatial Consulting Co.

Education

MSc Geographic Information Systems and Environmental Management, University of Brighton, Brighton, United Kingdom, 2022

BSc Forestry, University of British Columbia, Vancouver, BC, 2021

Employment History

LICKER GEOSPATIAL CONSULTING CO.

Vancouver, BC – Junior GIS Analyst (April. 2024 to Present)

URBAN EDGE ENVIRONMENTAL CONSULTING LTD.

Brighton, UK – Graduate Environmental / GIS Consultant (Sept. 2022 to March. 2024)

COASTAL NATURAL RESOURCE MANAGEMENT LTD.

North Vancouver, BC – Forest Technician (2019 & 2021)

FORSITE CONSULTANTS LTD.

Mackenzie, BC – Junior Forest Technician (Sept. 2021 to May. 2022)

Expertise
-ArcGIS
-ArcGIS Online
-Python, SQL+
-Cartography and Design
-Radar and Optical Remote Sensing
-Research

Biography

Tarek has accumulated nearly three years of consulting experience, primarily focusing on GIS and Urban Planning. He holds a Bachelor of Science in Forestry from the University of British Columbia, as well as a Master of Science in Geographic Information Systems and Environmental Management from the University of Brighton. In his master's thesis, Tarek explored the impact of cycling infrastructure on ridership within Vancouver, uncovering demographic and spatial trends through GIS analysis. Tarek's experience is wide ranging, focusing on the use of GIS in community planning applications, and is complemented by his academic background in natural resources management. With a diverse skill set acquired through academic studies and practical experience, Tarek is well-equipped to support GIS initiatives and offer valuable insights for projects.

Select Project Experience

Cartography

- Mapped ecologically sensitive areas at risk of negative outcomes from development.
- Mapped development proposals and related sustainability considerations across planning authorities.

Spatial / Sustainability Analysis

- Led GIS efforts for the environmental planning team utilizing spatial data to conduct environmental planning and assessments – Urban Edge Environmental Consulting
- Created and implemented python scripts to facilitate several aspects of data processing and delivery process.
- Analyzed and scored development proposals on their potential relative sustainability based on weighted proximity analysis, creating detailed reports for each proposal.
- Assessed planning policy against a series of sustainability criteria to inform the decision-making process.
- Quantified the impact of LULUC on nutrient loading in at-risk watersheds across England, aiding clients in mitigation strategy development.

Web Mapping

- Streamlining bulky reports into user-friendly web products using the ArcGIS Online suite for public consultation.

Automating Workflows

- Developed and implemented Python scripts for data processing and delivery.