



# IAN LOCHHEAD

SPATIAL DATA SCIENCE | XR INTERFACE RESEARCH

## SUMMARY

Recent PhD graduate with 7+ years of experience designing and managing innovative research projects and 3+ years of sales experience. An effective collaborator and analytical thinker with exceptional problem-solving skills and the ability to quickly absorb new information and adapt to changing circumstances.

## SKILLS

- Data Analysis
- Written & Verbal Communication
- Research
- Collaboration
- Time Management
- Problem-Solving
- Critical Thinking
- Microsoft Office Suite
- Sales & Marketing

## AWARDS

- Graduate Fellowship (2017, 2019, & 2020)
- NSERC Post Graduate Scholarship - Doctoral (2018)
- Graduate Entrance Scholarship (2017)

## WORK EXPERIENCE

### XR CONSULTANT AND DEVELOPER • HAZARDSCAPE • 08/21 • 08/22

- Consulted for disaster and emergency management professionals on immersive visual analytics
- Designed and developed an immersive data visualization prototype

### RESEARCH ASSOCIATE • SIMON FRASER UNIVERSITY • 09/15 • 08/22

- Collaborated on GIScience and extended reality (XR) research projects for government, industry, and academic partners
- Contributed to research reports and journal manuscripts

### LAB INSTRUCTOR • SIMON FRASER UNIVERSITY • 09/15 • 04/22

- Designed and delivered GIS, 3D visualization, and XR interface development instructional materials, presentations, and labs
- Mentored 100+ students on 3D spatial data science and visualization

### SALES REPRESENTATIVE • CULLEN DIESEL POWER LTD. • 04/10 • 08/13

- Managed sales and technical support throughout Western Canada, Alaska, Washington, and Oregon
- Developed customer relationships and delivered sales presentations to prospective client groups

## PROJECT EXPERIENCE

### GRADUATE RESEARCHER • SIMON FRASER UNIVERSITY • 09/15 • 08/22

- Designed and conducted studies on data quality, data visualization, human factors, and emerging interface technology
- Managed research projects and published 8 first-author papers

### MITACS INTERN • OCEAN WISE CONSERVATION ASSOC. • 10/17 • 02/19

- Engineered an innovative underwater data capture workflow and established a set of performance benchmarks
- Developed XR interface prototypes for experiential 3D data analysis

## EDUCATION

PhD • Faculty of Environment • Simon Fraser University • 2022

MSc • Faculty of Environment • Simon Fraser University • 2017

BA • Faculty of Environment • Simon Fraser University • 2015

Diploma • Marketing & Sales Management • Sauder School of Business • 2011



IMITLOC@GMAIL.COM



604.803.5230



WWW.IANLOCHHEAD.COM



@IAN-LOCHHEAD