
Professional Experience

AquaCoustic Remote Technologies Inc
Vancouver, BC

November 2020 – present

Lead Field Technician

- Setting up, testing and deploying robotic platforms including crawlers and pontoons of different sizes, ROVs, and submersibles to collect video, sonar, laser and additional sensor data
- Inspections, cleaning and maintenance of robotic platforms, fiber optic winches, vehicles and other warehouse equipment
- Hands-on troubleshooting, assembly and repair of equipment inhouse and in the field
- Keeping accurate daily logs and other detailed inspections sheets and paperwork
- Utility vehicle interior designing, building and maintenance, including office space, electronics and winches
- Nightwork and all-weather type field work, working independently, within a team capacity and with other contractors
- Processing sonar, laser and video data using custom and sourced software

Canopy Campers Vans Rentals
Vancouver, BC

May 2023 – present

Co-founder, Maintenance

- Modelling of van interiors using SketchUp to design fully functional, camper vans that sleep and seat up to 5 guests
- Custom woodworking: slide out dinette with sink, stove, cooler and storage as well as a full-sized bed
- Customer interactions including responding to inquiries, showing clients how to use features of the campers, key hand-offs
- Vehicle maintenance and repairs, regular cleaning, organizing, and stocking of vehicles

Banff National Park East Gates

Summer 2017 & 2018

Visitors Service Attendant

- Public outreach - Providing orientation, information and suggestions to visitors in Banff National Park
- Enforcing Park closures, restrictions and regulations with compliance and ticketing
- Employee uniform and accessories inventory, distribution and organizing
- Updating Dispatch and Resource Conservation on wildlife encounters, fires and other public safety concerns.
- Customer service - Handling cash and credit POS transactions in any weather situation quickly and effectively

Miles Libke Flooring Contracting
Edmonton, AB

2014 – 2015

Flooring/General Laborer

- Removing and installing carpets, hardwoods, vinyl and laminate in new and old homes, schools and apartments
- Working with various power tools (table saw, circular saw, pneumatic stapler) requiring intense attention to detail
- Communicating and working with other tradesmen and contractors as well as working alone

Volunteer Experience

Stanley Park Ecology DIRT (Dedicated Invasive Removal Team)

January 2024 – present

- Remove targeted invasive plant species from selected areas in Stanley Park
- Interact with the general public about ecology and invasive plant species in Stanley Park
- Proper identification of native and invasive plants and using safe and effective techniques for removal

AME Roundup
Vancouver, BC

January 22 – 25 2024

- Setting up and tearing down equipment, assisting with presenters and guests
- Directing and informing guests and exhibitors, checking badges and counting attendance
- Working with kids in an educational setting

ChuckleBerry Organic Farms
Nelson, BC

Summer 2020

- Building a greenhouse and maintaining infrastructure like electric fences, solar arrays, and irrigation lines
- Tree pruning, cutting, and clearing using chainsaws, loppers and handsaws
- Installing flooring in tiny homes, renovating the currently established homes
- Harvesting, cleaning, prepping and packaging fruits and vegetables grown

Passion Projects

2005 Mercedes Sprinter Conversion

- Fully custom, self-built off grid camper van that includes a full-sized bed, seating, table, 7ft long custom countertop with sink and stove, ample storage for sports equipment including climbing gear, mountain bikes, surfboards and more
- Fully insulated with 2" rigid insulation, vapor barrier and wood walls with discrete wiring of a 12v and 110v electric system that powers a fridge, propane heater, lights, fan, inverter and multiple power outlets for charging
- 200W solar panels, VSR from alternator and plug in battery charging options for 200amp/h Lithium deep cycle battery

Education

University of British Columbia Vancouver	<i>Masters of Geomatics and Environmental Management</i>	2024 – present
<i>Applicable Courses: Landscape Ecology Management, GIS, Geospatial Data Analysis</i>		
University of British Columbia Okanagan	<i>BSc Earth and Environmental Science</i>	2016 – 2019
<i>Applicable Courses: Geochemistry, Soil Science, Environmental Impact Assessment, Cartography and Remote Sensing, Hydrogeology, Atmospheric Environmental Chemistry</i>		
University of Alberta		2014 – 2016

Core Skills

Field Work and notetaking	ArcGIS, QGIS, R, Python, ENVI
Mechanical tool work and safety	SketchUp 3D modelling
Data collection and measurement	Fluent in French, German & English
Rope knowledge and working at heights	Microsoft Office 365
Physical fitness and endurance	Class 5 Drivers, WFA 40 Hour First Aid, WHMIS &
Carpentry and metalwork	WorkSafeBC, Boating License

Hobbies

Rock Climbing, Mountaineering & Backcountry Skiing

- Bouldering, sport and traditional multipitch style rock climbing
- Multi-day, mixed snow, ice and rock mountaineering to summit peaks and explore terrains and breathtaking views
- Rope knowledge, rescuing techniques, solo and group travelling in hazardous terrain

Wild plant, fruit and mushroom foraging

- Learning new plant, animal and fungi species for identification and foraging
- Researching and exploring local ecosystems and environments specific to certain species