

Certifications – SmartServe, Emergency First Aid

Post-secondary graduate with experience in service & education industries looking for opportunities in diverse environments where I can grow my skills and gain unique experiences through personal interactions. Proven abilities as a facilitator & guide as well as in planning & organization in dynamic settings. Would like to contribute to a positive team atmosphere.

Education

University of Guelph (2019 - 2023) - Honours Bachelor of Computing, Major in Computer Science, Minor in Geographic Information Systems and Environmental Analysis

Executive Member, U of Guelph Outdoors Club – Quartermaster

- Assisted club members in finding & renting club equipment, handled deposits & safe boxes.
- Maintained & organized gear inventory, gear condition, etc.

Computer Science

Software Engineering – 2022

- Team project developing a web application for organizing and displaying undergraduate course information.
- Sprint-based full stack development using Python for backend web scraping, flask, & data organization.
- Front-end development using React, React Flow graphing API & Bootstrap.
- Acted as a team lead organizing weekly requirements, scheduling team meetings, finalizing code, & leading code review.

Systems Analysis & Design in Applications – 2021

- Communicated with a community partner to plan the development of a mobile application for “The Grove” youth services.
- Project planning using conventional methodologies, managed requirements of UI design using Figma.

GIS & Environmental Analysis

Moose Habitat Suitability Modelling in Northern Ontario - 2023

- Group project in collaboration with a graduate student to study moose habitat change in the Missinaibi forest.
- Detailed literature review on moose habitat & environmental concerns related to industrial logging including government policy & forestry guidelines.
- Use of vector layers from Environment Canada & forestry industry.
- Derived vector & raster layers & developed a Habitat Suitability model using ArcGIS Pro suitability modeler.

Water Footprint Analysis of Ontario Agricultural Sector - 2022

- Worked in a team to present a water footprint analysis of agriculture in Ontario to assess water use and re-usability.
- Evaluated relevant literature & local policy.

Work & Experience

Undergraduate Research Assistant, University of Guelph –2022

- Worked under Dr. Stacey Scott to review & summarize academic publications relating precision agriculture and computer vision.
- Self-directed research of contemporary neural network concepts & methods.
- Exploration of Mask-RCNN, YOLO, detectron2 API networks.
- Used PyTorch & OpenCV to train a residual neural network to classify cattle in frames of video to support concurrent agriculture research.

Kandalore Outdoor Education Centre – Outdoor Educator (2023)

- Lead school groups grades 6 to 11 in educational & team-building activities as a group leader.
- Interacted with teachers to ensure quality leadership for their students during their time at Kandalore.
- Facilitated technical activities including indoor & outdoor rock climbing, high ropes course, map orienteering, etc.
- Worked with dedicated staff team to maintain a functioning site including a variety of manual labour & maintenance tasks.

University of Guelph Athletic Centre - Rock Climbing Monitor (2022/2023)

- Helped build & maintain a thriving community of climbing enthusiasts on campus.
- Interacted personally with patrons & provided quality service to members.
- Facilitating orientations, “Learn to Climb” sessions, first aid support, taught belay certification.

Camp Kandalore – Camp Counselor (2019) / River Guide (2021)

- Facilitated camp activities including ORCA canoe progression, nature walks, sailing as well as assigned-cabin activities.
- Planned & organized 3-to-7-day white-water & flat-water wilderness canoe camping trips for groups of 8 to 10 campers.
- Worked with staff to ensure safe environments for learning & adventure. Promoted clean & sustainable camping practices.
- Monitored group dynamics & encouraged growth of teamwork & communication skills among campers.
- Maintained a clean environment in-camp including boat repair & site maintenance.

Stampede Ranch – Cook (2020)

- Worked in a fast-paced high-pressure environment to ensure timely delivery of quality prepared food.
- Maintained a clean & organized work environment including closing procedures.

Skills & Interests

Ant (2024) – Director of Photography & Producer on independent student feature film

Sole of a Salesman (2022) – Composer on independent short horror film

Amateur photography & 2D animation projects

Proficient in Microsoft Word & Excel, Adobe Suite

Planning, Organization, Coordination