

Garrett Poop Holmes

Toronto, ON

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Personal Profile — Post-secondary graduate with experience in service and 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 and guide as well as in planning and organization in dynamic settings. Would like to contribute to a positive team atmosphere.

CERTIFICATIONS

Certifications SmartServe, Emergency First Aid, Wilderness First Responder

Education

University of Guelph

Guelph, ON

Honours Bachelor of Computing, Major in Computer Science, Minor in Geographic Information Systems and Environmental Analysis

Sept 2019 - Dec 2023

- Graduated with Distinction.
- **Courses:** Software Engineering, Software Development, Computational Intelligence, Computer Graphics, Cloud Computing, Parallel Programming, Network Programming, Systems Programming, Compilers

Work Experience

University of Guelph

Guelph, ON

Undergraduate Research Assistant

2022

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

University of Guelph Athletic Centre

Guelph, ON

Rock Climbing Monitor

2022/2023

- Helped build and maintain a thriving community of climbing enthusiasts on campus.
- Interacted personally with patrons and provided quality service to members
- Facilitated orientations, "Learn to Climb" sessions, first aid support, taught belay certification.
- Managed sale of rock climbing equipment and assessed needs of customers.

Kandalore Outdoor Education Centre

Kawartha Highlands, ON

Outdoor Educator

2023

- Lead school groups grades 6 to 11 in educational and 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 and 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 and maintenance tasks.

Camp Kandalore

Kawartha Highlands, ON

Camp Counselor/River Guide

2019/2021

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

Stampede Ranch

Guelph, ON

Cook

2020

- Worked in a fast-paced high-pressure environment to ensure timely delivery of quality prepared food.
- Maintained a clean and organized work environment including closing procedures.
- Worked with other staff in team environment to maintain efficient work environment.

Projects

Program Planner Website

Full-stack serviced webpage delivering detailed information about prerequisites, course searching, program informaiton using web-scraped university data, built on React. 2022

- Used AGILE methodology in a team setting to ensure effective software development as a team leader across multiple sprints
- Built user-friendly front end application using React, React Flow and other libraries, Bootstrap, and Javascript.
- Organized weekly requirements, scheduled team meetings, lead code review sessions
- Used Flask, NGINX, Python for backend development on a Linux server.

The Grove Youth Wellness Hubs App Design

Took part in designing a social media app for a local community partner. 2021

- Communicated with client to assemble requirements and key features for a social media app.
- Invloed Waterfall design methodology to build a development plan, collaborated with team members on requirements and UI design.

Moose Habitat Suitability Modelling in Northern Ontario

Evaluation and analysis of Moose Habitat sustainability in the Missinaibi Forest 2023

- Collaborated with students and graduate to identify areas of concern, research plan.
- Performed a detailed literature review of moose habitat suitability and environmental concerns related to indstrial logging, including govern-ment policy and forestry guidelines.
- Investaged and prepared vector data provided through government resources and forestry for analysis.
- Derived raster layers and relevant information and developed a Habitat suitability model using ArcGIS pro.

Ant - Director of Photography, Producer

Independently produced feature length film. 2024

- Helped plan and execute shooting locations, storyboards, direction, lighting, sound and videography
- Operated camera and audio equipment on set.
- Worked closely with director and actors to ensure smooth and efficient shoot days.
- Intimately involved in pre and post-production processes.

Sole of a Salesman - Composer

Composed, recorded, and produced soundtrack for independent student short horror film. 2022

- Wrote, recorded, and produced music using digital tools and real instruments.
- Worked closely with director to match tone of film and assess needs.

Volunteer Experience

University of Guelph Outdoors Club Guelph, ON

Quartermaster 2021 - 2023

- Student-run club dedicated to outdoor enthusiats on campus, oranizing events including canoe and hiking trips, as well as outdoors gear rentals.
- Assisted club members in finding and renting club equipment, handled deposits and safe boxes.
- Maintained and organized gear inventory, gear condition, etc.

Skills

Programming Languages	C, Python, Java, HTML, CSS, Javascript
Software Environments	Linux/UNIX, React, NodeJS, AWS
Artificial Intelligence	AI Models, PyTorch, numpy, RCNN
GIS Tools	ArcGIS, QGIS, WhiteboxTools, arcpy
Office Tools	Microsoft Office, Excel, Adobe Suite
Creative Skills	Photography, Videography, 2D animations, Video Production, Video Editing

Achievments

2023 **Graduated with Distinction**, Univrsity of Guelph Guelph, ON

References available upon request.