Garrett Holmes

Contact Info:

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Skills & Experience:

- Programming Languages: *C, Java, JavaScript, Python, HTML*
    - Proficient in C, skills include multi-threaded programming, data processing.
    - Experience with python scripts, programs involving string parsing, web scraping. Interested in image processing and AI
    - Use of HTML & CSS for webpage design & styling, with JavaScript integration. JavaScript for 3D graphics (WebGL)
    - Experience using JavaFX & Swing for UI design in Object Oriented programs.
- Software:
    - Proficient in Microsoft Office & Excel, Google Products.
    - Adobe Suite, Blender for video editing and 3D/2D animation.
    - QGIS, WhiteboxTools. Working with remotely sensed satellite imagery, map-making.
- Executive Member, U of Guelph Outdoors Club, Fall 2021.
- Camp Kandalore: Leader in Training (2017/18)
    - 23/28-day leadership-based white water paddling trips.
- Personal website using HTML & CSS with JavaScript scripting.

Certifications:

- Bronze Cross (2021)
- Wilderness First Responder (2021)
- Smart Serve (2020)
- Swiftwater Rescue Training (2019)

Education:

Honours Bachelor of Computing, Major in Computer Science, Minor in GIS & Environmental Analysis - University of Guelph (2019 - 2023)

- GPA: 85.54
- Front & backend development of a webpage that manages the creation, manipulation of GPX files as part of 'Software Systems Development & Integration'.
    - Use of NodeJS to integrate front & backend.
    - mySQL database for storing information about files, data in files.
- Worked in team of 5 to plan the features & development of a social media app for 'The Grove' youth services for 'Systems Analysis & Design in Applications'.
- Sprint leader for one of 9 sprints, worked in team of 6 developing software to search information scraped from the UoGuelph course calendar website.
- Worked with remotely sensed imagery to gather information about surface reflectance properties, cloud cover.

Work Experience:

Camp Kandalore - Summer 2019/2021

- Counselor & Tripper Apprentice (2019)
    - Facilitating educational activities for groups of 6-30 campers.
    - Worked with co-counsellor to manage and lead cabin of 8 children ages 6-8 & 11-13.
    - Welcomed & greeted parents on arrival days.
    - Led 3-day flatwater canoe trips for groups of up to 10 children on neighboring lakes.
- Canoe Tripper (2021)
    - Responsible for leading up to 10 kids aged 12-15 on 4-7 days white water canoe trips.
    - As trip leader, planned trips, navigated, cooked, & managed group dynamics.
    - River Guide; scouting sets, safety, educating group about paddling, hydrology, camping.
    - In-camp duties included fixing boats, site maintenance, support other staff in activities & trip planning.

Kitchen Staff, Stampede Ranch, Guelph, October – December 2020