

AMY BEARD

+1 (905) 749-6681

amybeard66@icloud.com

GitHub

LinkedIn

amybeard.ca

TECHNICAL SKILLS

- Languages: Python, C, JavaScript, Java (Swing), HTML, CSS
- Operating Systems: macOS, Linux
- Development Tools/ Libraries: BootStrap, jQuery, GitHub/ GitLab, Docker, Junit, PMD Source Code Analyzer
- Task Management: Trello, Slack, Replit

RELATED COURSES

- Object-Oriented Programming (Java)
- Data Structures & Algorithms (C)
- Software Design 1, 2, 3 (Python & C)
- Intermediate Programming (C)

CERTIFICATIONS

- Responsive Web Design
- JavaScript Algorithms and Data Structures

SKILLS

- Critical Thinking
- Problem-Solving
- Organization
- Collaboration
- Communication
- Creativity



EDUCATION

**Bachelor of Computing, Software Engineering (Co-Op),
Minoring in Mathematics,
University of Guelph
2022-present**



ACADEMIC PROJECTS

Mancala

Oct - Dec 2023

- Java-based replication of the board game Mancala
- Both TextUI and GUI versions
- Developed using Java Swing
- Used JUnit and PMD for testing and debugging

Associative Array / Hash Tables

Nov 2023

- C-based project focused on learning about hash tables and hashing algorithms
- Command line-based and allows the user to complete insertion, query, and deletion operations on a hash table
- Compiled code is formatted into a library API for easy distribution and application

Canadian Baby Name Database

Feb - Mar 2023

- Worked with a small team, using agile methodologies to create a system to organize large sets of data into data frames,
- Output organized data sets to the user per their requests.
- Utilized Python and the Pandas library to output data into CSV files for the user.



WORK EXPERIENCE

YMCA Camp Wanakita

June 2023-Sept. 2023

Out-Tripping Specialist

- Organized, packed, and facilitated 2-8 day educational canoe trips
- Responsible for maintaining and repairing camping equipment
- Led and guided 2 student-counselor, 6-day canoe trips

YMCA Camp Wanakita

June 2022-Sept. 2022

Arts and Crafts Specialist

- Collaborated with a partner and overall staff team
- Organized, designed, and provided kids' summer camp art programming.
- Led and guided student counselors on a 6-day canoe trip.

YMCA Camp Wanakita

June 2021-Sept. 2021

Kitchen Helper

- Organized meal service
- Facilitated meal preparation
- Provided quality service to clients.

Wendy's

Sept. 2020- Mar. 2021

Cashier

- Efficiently took and processed orders using a POS system
- Ensured speed and satisfaction to the customers



EXTRACURRICULARS

Guelph Women in Computer Science (GWICS)
Member (Sept. 2022- Present)

Society of Computing and Information Science (SOCIS)
Member (Sept. 2022- Present)