Holly Gummerson

Victoria, BC | (403) 483 1489 | holly.gummersonn@gmail.com | [LinkedIn](#) | [GitHub](#)

HIGHLIGHTS

- Motivated fourth year computer science student with a strong foundation in software development and testing
- Completed 16 months of professional experience, applying technical skills in real world settings
- Built various software tools and applications using differing languages and technologies

EDUCATION

University of Victoria – B.Sc. Computer Science, 4th Year   **September 2021 – January 2026**

TECHNICAL SKILLS

Developer Tools | VS Code, Git, VIM, MATLAB, Arduino IDE, Jupyter Notebook, PostgreSQL, Azure Devops, Testmo, Excel

Programming | Python, Java, C, R, Assembly, SQL, HTML, OCaml, Ruby, Robot Framework

PROFESSIONAL EXPERIENCE

Software Test Developer Intern (8 Months) | Smart Technologies   **May 2024 – December 2024**

Executed manual and automated software testing to ensure product quality and validate functionality across platforms.

- Created and executed test plans based on user stories, verifying, prioritizing, and logging bugs in Azure Devops
- Interpreted automation results and designed cases in Robot framework, leveraging tools such as Applitools for details analysis
- Participated in daily standups, triage and RCA meetings, reporting on test progress in an agile environment
- Performed manual testing (hardware & software), including smoke and regression testing to ensure quality
- Mentored and onboarded new team members, proving guidance on testing processes and tool usage
- Performed firmware and software updates on hardware, as well as interfacing various devices ensuring functionality and system compatibility

Youth Stem Instructor (8 Months) | Science Venture   **September 2023 – May 2024**

Provided hands-on computer science education for an all-girls youth club.

- Designed curriculum which matched the interest of the participants and reached educational goals
- Presented confidently in front of large groups, delivering engaging and informative sessions
- Demonstrated adaptability when working with a team in a fast-paced environment
- Created and maintained written resources and reference materials for the club's educational purposes
- Provided mentorship, guidance, and support to club participants helping them build new skills

TECHNICAL PROJECTS

Kosmos | **C**
- Developed a program using POSIX semaphores, mutexes and condition variables to sort and combine randomly generated element threads in C.
- Handled a multithreaded program, timed, and formatted the response in a readable output.

Concordance | **C**
- Created a program that accepts a text file through stdin and extracts relevant substrings as keywords to be formatted using dynamic memory in C.
- Developed testing methods as well and implemented error handling protocols to ensure reliability.

SmartClient | **Python**
- Demonstrated proficiency in Python and HTTP protocol by building a tool which collects information regarding a web servers' protocol, cookies, and protection level.
- Implemented client-side socket framework to establish and maintain connections to web servers.
- Enhanced the tools usability and reliability by implementing error handling and robust connections to web servers.

My Clothes | [**GitHub**](GitHub) | **Python, CSS, HTML, SQL**
- Designed a web application using flask in python where users can upload images of clothing, and get recommended outfits based on weather conditions.
- Utilized HTML and CSS to style the application, Databases to store information, as well as web APIs for gathering weather information

Decoder | [**GitHub**](GitHub) | **Swift**
- Designed an IOS app using swift to take a user's input in numbers and symbols and decode it to corresponding letters, incorporating spell check functionality to assure minimal errors.
- Used Swift styling to make the application user friendly, and incorporated data structures to ensure correctness while mapping and returning user input.

AWARDS AND SCHOLARSHIPS

- **University of Victoria Entrance Scholarship** | 2021
- **Women in Engineering and Computer Science Entrance Scholarship** | 2021
- **Enbridge Travel Award for Engineering and Computer Science Students** | 2024

REFERENCES

Heather Boyd
Software Test Development Manager
Smart Technologies
214 11th Avenue Place
Calgary, AB
heatherboyd@smarttech.com