JOSIE LIBBON

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EDUCATION

The George Washington University • Class of 2024   **Washington, DC**
B.S. in Computer Science with Minor in Political Science
Leadership:
- Class Representative (09/2021 - 05/2022), GW Women in Computer Science
- Conference Planner (05/2022 - Present), GW Women in Computer Science
- Public Relations Chair (05/2022 - Present), GW Association of Computing Machinery
- Student Board Representative (05/2022 - Present), GWCS Justice, Equity, Diversity and Inclusion Council

TECHNICAL SKILLS

Languages: Python, C/C++, Java, Swift, HTML, CSS, mySQL, SQLite
Workflow: Git, AWS, Linux, Docker, BitBucket, Microsoft Office, Google Suite
Utilities: OpenCV, Pandas, TinyML, TensorFlow, TensorFlow Lite, Flask, Matlab
Operating Systems: Linux, Windows, macOS, Raspberry Pi OS

EXPERIENCE

Real-Time AI Researcher   **05/2022 - Present**
Department of Computer Science (GWU)
- Assists in the development of schedulers and algorithms for a real-time AI system, using the concept of imprecise computations.
- Software development and testing, focused on system prototype development including simulation, implementation, and prototype development on IOT platform (Raspberry Pi).
- Selected to be a fellow for the SEAS Undergraduate Program in Engineering Research for Summer 2022, in addition to being a partial recipient of a US Naval Research Laboratory grant.

CS Learning Assistant   **08/2022 - Present**
Department of Computer Science (GWU)
- Assists in instruction and lab sections, and designs coding projects for undergraduate course with a total of 95 students.
- Hosts office hours, with consistent, positive feedback from students and high attendance.

Usable Security and Privacy Researcher   **11/2021 - 01/2022**
Department of Computer Science (GWU)
- Assists in data analysis and the production of research papers for projects within the lab.
- Lab is centered around issues related to computer security and privacy, with a human-centered approach and a strong focus on why and how users interact, understand, and use/misuse security and privacy tools.

Admissions Ambassador   **05/2021 - 08/2022**
Office of Admissions and Recruitment (GWU)
- Assists the Assistant Director of Admissions in day-to-day functionality, and the recruitment of prospective students for all of the university's graduate degree and certificate programs.
- Responsible for processing documents for over 2,000 applications sent to the university.

TECHNICAL PROJECTS

Full Stack Graduate Administrative System - Written in Python, HTML, CSS, Flask and MySQL with AWS
- Fully integrated end to end website and database with varying users and user capabilities.

Search Engine - Written in C
- Implements hashmap with linked lists, ranks documents using term frequency-inverse document frequency ranking algorithms.

Mini-Shell - Written in C
- Functional shell that can parse input, execute pipelines and built-in commands, handle job control, as well as file redirection.

Chatroom with Client-side and Server-side - Written in Java with Java Swing GUI functionality
- Chatroom implements a threaded GUI client and threaded GUI server with the ability to handle multiple connected clients.