

JOSIE LIBBON

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EDUCATION

The George Washington University • Class of 2024
B.S. in Computer Science with Minor in Political Science

Washington, DC

Leadership:

- Admissions Ambassador (05/2021 - 08/2022), GWU
- Class Representative (09/2021 - 05/2022), GW Women in Computer Science
- Conference Planner (05/2022 - 05/2023), GW Women in Computer Science
- Public Relations Chair (05/2022 - 5/2023), GW Association of Computing Machinery
- Student Board Representative (05/2022 - Present), GWCS Justice, Equity, Diversity and Inclusion Council
- Undergraduate Representative (09/2023 - Present), GWCS Curriculum Committee

TECHNICAL SKILLS

Languages: Python, C, C++, C#, Java, Swift, Kotlin, Javascript, HTML, CSS, SQL, Bash

Workflow: Git, AWS, Docker, BitBucket, GitLab, Microsoft Office, Google Suite

Utilities: React, OpenCV, Pandas, TinyML, TensorFlow, Flask, Matlab, Transformers

Operating Systems: Linux, Windows, macOS, Raspberry Pi OS

EXPERIENCE

CS Teaching Assistant

08/2022 - Present

Department of Computer Science (GWU)

- Assists in instruction, leads lab sections, and designs coding projects for undergraduate courses with a total of 100+ students.
- Hosts 4+ office hours a week, with consistent, positive feedback from students and high attendance.

Software Engineering Intern

06/2023 - 08/2023

Visionist, Inc.

- Assessed code-generating capabilities of Large Language Models (LLMs) like ChatGPT.
- Developed automated testing suite for 7 coding languages to benchmark human-developed code vs. LLM-generated code.
- Deployed model-agnostic REST API and UI for interfacing with LLMs.
- Winner of 'Best Overall Presentation' in AFCEA Central Maryland SIPS Competition.

Real-Time AI Researcher

05/2022 - 05/2023

Department of Computer Science (GWU)

- Assisted in development of schedulers and algorithms for a real-time AI system, using 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.

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.

Container Management System - Written in C

- Implements shared memory, synchronization, and priority scheduling.

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.

RELEVANT COURSES

Machine Learning (in progress), Neural Networks (in progress), Operating Systems, Algorithms, Databases & Team Projects, Software Development for Handheld Devices, Augmented & Virtual Reality, Computer Security, Software Engineering, Computer Architecture, Systems Programming, Discrete Structures I & II, Algorithms & Data Structures