

OWEN ANDREASEN

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EDUCATION

The George Washington University

Washington, DC

Bachelor of Science: Computer And Information Sciences

May 2024

- Junior Fall 2022
- Dean's List and Presidential scholar nominee
- Relevant Coursework: Algorithms & Data Structures, Computer Architecture, Computer Graphics, Discrete Mathematics, Database Systems, Operating Systems, Regression Analysis, Software Engineering, Statistics

EXPERIENCE

The George Washington University

Washington, DC

Learning Assistant

September 2022 - Present

- Taught introductory Python to Non-CS majors including basic concepts such as reading and writing to files and typecasting
- Taught Java and C concepts related to software engineering to Sophomore CS majors such as inheritance, polymorphism, threading/concurrency, and GUIs/events
- Answered students' questions, held office hours once a week, and helped lead labs twice a week

Undergraduate Research Assistant

May 2022 - August 2022

- Collaborated with a team of seven people split into three designated groups to achieve separate goals
- Met bi-weekly to go over previous work and set up plans/goals using Trello
- Set up networks with cloud servers and implemented load balancing algorithms to distribute incoming packets between network's workers using C
- Developed automation scripts to measure throughput and energy consumption of a client-server system with Python
- Github Repository: <https://github.com/sdnfv/openNetVM>

SKILLS/ACTIVITIES

- Proficient in Java, C, HTML, CSS/SASS, Python, SQL, JS/TS, Bash, and Assembly experience
- Well versed in Git, GitHub, Adobe Photoshop, Microsoft Office, VSCode, and minimal CAD 3D modeling

TECHNICAL PROJECTS

University Application, Registration, and Graduation Website

Washington, DC

Databases

May 2022 - May 2022

- Assembled a full-stack website for a made-up university; created using HTML, CSS, Python, Flask, with a MySQL database back-end
- Designed back-end and front-end for part of a website with an initial three person development team and then communicated with two other teams to integrate all parts into a single website

Shell Application

Washington, DC

Systems Programming

April 2022 - April 2022

- Built a command line shell application in C to create pipelines, run background tasks and redirect program output to files

Search Engine

Washington, DC

Computer Architecture I

December 2021 - December 2021

- Developed a search engine to rank files in regard to relevance to a given search query
- Utilized Hashmaps to store word frequency per any number of files and ranked those files based on total tf-idf score of search query