

GENEVIEVE SAMPSON

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EDUCATION

University of Maryland: College Park, MD
B.S., Computer Science - Honors College

Expected Graduation: May 2023
GPA: 3.9/4.0

EXPERIENCE

Peloton: Software Engineering Internship
Content Production Cloud Team

June 2021-August 2021

- Built a full-stack class annotation portal using React, Python, and AWS for annotators to watch class videos and upload a csv of timestamped target metrics for post-class processing.
- New portal streamlines post-class processing, allows classes to be available faster for users, and removes a third-party dependency.

Facebook: Software Engineering Internship
Messenger Click-to-Message Ads Team

January 2021-April 2021

- Used React, PHP, SQL, and Python to build a messaging experience preview, a bot to assist clients with ads creation errors, and an automated weekly email consisting of top-line metrics and top ads.

Leidos: Columbia, MD
Cyber Analyst Intern

June 2020-August 2020

- Used Metasploit, Python, Wireshark, and MySQL to develop penetration testing techniques to perform on Windows 10 virtual machines and collected/labeled the attack data to train machine learning models.

Smith Investment Fund: College Park, MD
Quantitative Analyst

September 2019-January 2021

- Contributed to the development of the organization's back-testing environment by developing Python functions to process historical data and display daily returns metrics.
- Won first place during Spring 2020 alpha competition for developing the multi-factor strategy with the best back-test performance using Python and R for data analysis.

COURSEWORK

Completed: Algorithms, Object Oriented Programming & Data Structures, Computer Systems, Intro to Cybersecurity, Functional Programming, Linear Algebra, Discrete Structures, Calculus 1/2/3, Physics

EXTRACURRICULAR

Technica Hackathon Finance Director

March 2021-Present

WISE Cities iOS Mobile App Developer

March 2021- July 2021

Technica Hackathon Organizer - Finance Team

May 2020-May 2021

SKILLS

Proficient in Java, C, and Python

Experience with Unix, Kali Linux, Metasploit, and Wireshark

Familiarity with functional programming concepts (OCaml)

Javascript/React Web Development