

GENEVIEVE SAMPSON

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EDUCATION

University of Maryland: College Park, MD	Expected Graduation: May 2023
Bachelor of Science, Computer Science	GPA: 3.9/4.0
Advanced Cybersecurity Experience for Students (ACES) Honors Program	
University of Maryland President's Scholarship	

EXPERIENCE

Smith Investment Fund: College Park, MD	September 2019-Present
<i>Quantitative Analyst</i>	

- Contributed to the development of the organization's back-testing environment by developing python functions to process historical data and display daily returns metrics.
- Working with colleagues to research and develop trading strategies that will be tested and implemented on SIF's portfolio. Won first place during semester alpha competition for developing the multi-factor strategy with the best out of sample back-test performance.

Leidos: Columbia, MD	June 2020-August 2020
<i>Cyber Analyst Intern</i>	

- 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.

National Cancer Institute: Rockville, MD	June 2018-September 2018
<i>Fellow in Tobacco Control Research Branch (TCRB)</i>	

- Researched the consequences of using e-cigarettes in smoking cessation programs and the potential benefits of UVR sensing wearable devices for the prevention of skin cancer.

COURSEWORK

Completed: Object Oriented Programming and Data Structures, Computer Systems, Linear Algebra, Discrete Structures, ACES Cybersecurity, ACES Cyber Policy, Calculus 1/2, Physics E/M, Mechanics

Fall 2020 Courses: Algorithms, Organization of Programming Languages, Multi-variable Calculus, Digital Forensics, ACES HoneyPot Research Class, Korean

EXTRACURRICULAR

University of Maryland Honors College Ambassador	October 2019-Present
Technica Hackathon Organizer - Finance Team	May 2020-Present
Volunteer Teaching Assistant for the Girls Who Code Non-Profit	September-December 2019

SKILLS

Proficient in Java, C, and Python (including Pandas, StatsModels, and NumPy libraries)

Experience with Unix, Kali Linux, Metasploit, and Wireshark

Event planning (specifically in regards to budget creation, invoicing, and communication)

Developing Korean language speaking ability