

## EDUCATION

Computer Science PhD Student University of Maryland, College Park	2021 - Present College Park, MD
<ul style="list-style-type: none"> <li>GPA: 3.75; Current Advisor: Dr. Tom Goldstein</li> <li>Selected Graduate Classes: Foundations of Deep Learning; Advanced Numerical Optimization; How and Why Artificial Intelligence Answers Questions</li> </ul>	
B.A, Honors in Mathematics Williams College	2015 - 2019 Williamstown, MA
<ul style="list-style-type: none"> <li>Thesis: Expanding Zero-forcing to Multi-color Forcing in Graphs</li> <li>Sigma Xi Honors Society; Dean's List last two years; Varsity Men's Squash</li> </ul>	

## EMPLOYMENT

Teaching Assistant, University of Maryland, College Park Introduction to Data Science, Professor John Dickerson and Jose Calderon	September 2021 - Present Williams College, Williamstown, MA
Data Scientist Senior Consultant, Booz Allen Hamilton Strategic Innovation Group, Analytics	July 2020 - April 2021 Washington, DC
<ul style="list-style-type: none"> <li>Led efforts to create math models such as agent-based models and simulations like Monte Carlo in python and excel for various different analyses and studies including program evaluations for DoD OSD CAPE</li> <li>Built a Flask webapp using HTML, CSS, and JS to display various analyses of a curated dataset</li> </ul>	
Data Scientist Consultant, Booz Allen Hamilton Strategic Innovation Group, Analytics	July 2019 - July 2020 Washington, DC
<ul style="list-style-type: none"> <li>Built an end-to-end audio analysis pipeline for an app in Dart/Flutter using Tensorflow</li> <li>Helped build a data pipeline from google trends to a S3 bucket via a cron job for COVID-19 data lake</li> </ul>	
Summer Games Internship, Booz Allen Hamilton Strategic Innovation Group, Analytics	June 2018 - August 2018 Washington, DC
<ul style="list-style-type: none"> <li>Analyzed spatial data through QGIS's python script runner to create shapefiles for the RShiny front-end</li> </ul>	
Teaching Assistant, Williams College Introduction to Mechanics, Professor William Wootters	September 2016 - December 2016 Williams College, Williamstown, MA

## RESEARCH EXPERIENCE

Thesis, Williams College Graph Theory, Pamela Harris	September 2018 - May 2019 Williamstown, MA
Research Intern, Salk Institute For Biological Studies Computational Biology, Edward Stites Lab	May 2017 - August 2017 San Diego, CA

## PUBLICATIONS

Multi-color Forcing in Graphs; <i>Graphs and Combinatorics</i>	June 2020
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## LEADERSHIP, CERTIFICATIONS, and AWARDS

Outstanding Graduate Teaching Assistant Award Recipient	January 2021
Dean's and Chair's Fellowship	September 2021
Quantum Algorithms for Cybersecurity, Chemistry, and Optimization Certificate, MIT xPRO	April 2020
Introduction of Quantum Computing Certificate, MIT xPRO	February 2020
Foundations of Natural Language Processing Certificate, NVIDIA	December 2019
Foundations of Computer Vision Certificate, NVIDIA	October 2019
Minority Student Athlete Advisory Committee, Gaius C. Bolin Chapter, Williams College	2018-2019

## SELECTED SOFTWARE LANGUAGES/TOOLS/LIBRARIES

Python; Pytorch; Pandas; Numpy; Scikit-Learn; NLTK; Spacy; Tensorflow; Keras; Docker; Java