

EDUCATION

Eastern Virginia Medical School, Doctor of Medicine

Aug 2022 - May 2026

Old Dominion University, Bachelor of Science, Summa Cum Laude

May 2022

Computer Science (BS) – 4.0 GPA

Chemistry, Math (minor)

RESEARCH

Vanderbilt University Medical Center, Department of Renal Pathology

05/2023 - 08/2023

Advisor: Agnes B. Fogo, M.D.

Study: Semaphorin3B L/R Interaction and Glomerular-Tubulointerstitial Crosstalk

- Techniques: cell culture, spatial transcriptomics, genomics, renal biopsy
- Poster presentation: 2023 NIDDK/SRTP Symposium - Nashville, Tn.

EVMS Department of Neurology and Medical Imaging

08/2022 - Present

Advisor: Alberto Musto, MD, PhD

Study: 1) Dynamic model of epileptogenic frequencies and dendritic spine density

2) Dendritic spine morphology and function

3) Neurogenesis and neuronal recovery after injury

- Techniques: machine learning, neural imaging, wave form analysis
- Poster presentation: *CD40 Modulates Neural Oscillation*, CNCM Annual Conference 2023 - Irvine, Ca.

ODU Vision Lab

01/2020 - 08/2021

Advisor: Khan Iftekharuddin, PhD

Study: Two-Stage Transfer Learning for Facial Expression Classification in Children with Autism Spectrum Disorder

- Poster presentation: ODU Undergraduate Research Symposium 2022 - Norfolk, Va.

Summer REU: UM Department of Computational Neuroscience

05/2019 - 08/2019

Advisor: Odelia Schwartz, PhD

Study: Deep neural networks and modeling of cortical visual processing

- Poster presentation: UM REU Summer Research Ceremony 2019 - Miami, Fl.

LEADERSHIP AND EXTRACURRICULARS

EVMS Student Government, Library and Technology Representative

2022 - Present

EVMS Dermatology Instagram, Editor of dermatopathology posts

2022 - Present

Monroe Mentors, Volunteer Math Teacher

2022 - Present

Weekly volunteer at James Monroe Elementary for supplemental math instruction

Western Tidewater United, Rural clinic volunteer

2022 - Present

Service project to administer free A1C tests across rural southeastern Virginia.

EMPLOYMENT

| | |
|---|-------------------|
| Kaplan Test Prep, MCAT Prep Instructor , Remote / Vanderbilt University | 04/2023 - Present |
| NASA Kennedy Space Center, Software Engineering Intern , Merritt Island, FL <ul style="list-style-type: none">automated human-rated launch control functional tests for the Artemis programdevelop software included on Artemis 1 Launch - 2022 | 08/2019 - 12/2019 |
| NASA Langley Research Center, Software Engineering Intern , Hampton, VA | 06/2018 - 08/2018 |

HONORS/AWARDS

| | |
|--|------|
| John Krueger Foundation Scholarship , EVMS | 2022 |
| Tzavaras Family Scholarship , EVMS | 2022 |
| Virginia Space Grant Consortium Fellow , VSGC | 2020 |
| \$5,000 research stipend awarded for proposal: “Carbon Dioxide and Particulate Matter Concentration on Hampton Roads Air Quality” | |
| Kovner Engineering Scholarship , ODU | 2020 |
| Knights of Columbus Scholarship , Council 4632 | 2017 |

INTERESTS

- Music:** *Banjo, Guitar, Flute*
- Running:** *half marathon*