Anthony Katona

☆ /frkatonaऻ /akatona8J (717) 275-4584anthonykatona@gmail.com

Education

•The Pennsylvania State University

2023 PhD

Chemistry

- A designed & synthesized ultra-fast/nano-scale thermal transport materials; developed photothermal polymer techniques for coatings and 3D-printing applications with *Dr. Benjamin Lear*
- * oversaw lab safety as General Safety Officer and Laser Safety Officer as well as managed supply and maintenance of pumps, gas cylinders, and gloveboxes
- Laught as TA for all first year chemistry courses and mentored both graduate incoming TAs & undergraduate researchers
- a co-developed and implemented novel thermal conductivity undergraduate lab experiments for Dr. Bratoljub Milosavljevic's physical chemistry course

·Susquehanna University

2015

Biochemistry; Physics minor

BS

- A synthesized novel transition metal Janus complexes with Dr. William Doughtery
- La contributed to procedural galaxy classification models in computational summer research with Dr. Violet Mager

Technical Skills

spectroscopy: NMR, IR, UV-Vismicroscopy: AFM, TEM, SEM

materials: tension (UTM, DMA), thermal (DSC, TGA, TPS)

♦ laser: class IV CW/pulsed safety, handling, optics

্বিদ electronics: circuit design/prototyping, signal generation, spectrum analysis, micro-controllers

languages: Python, C#, C++, Labview, HTML, CSS, JS

☞ 3D: Blender (modeling, sculpting, rigging, animating, shading, VFX, compositing), Unreal Engine

🏶 misc. software: Adobe CC (AE, PS, Pr, II), FL Studio, ImageJ, ChatGPT

External Resources

•reference: Dr. Mary Jo Bojan (TA Supervisor) - bz6@psu.edu

•publication: "Galaxy Structure in the Ultraviolet..." (2018) - doi 10.3847/1538-4357/aad59e

•web projects: frkatona.github.io