



CHARLES CLARK

215-460-1403 | charlespc1999@gmail.com | [LinkedIn](#)

About

MSc in Physics degree with teaching and research experience. Seeking a position in education or in industry showcasing my problem-solving skills.

Education

Master of Science in Physics

Temple University

2021 - 2025

Bachelor of Science in Physics

Kutztown University

2017 – 2021

Skills

- Strong teaching skills in classical mechanics, quantum mechanics, electricity and magnetism, and thermodynamics.
- Strong programming skills in C++, Python, and LaTeX.
- Excellent communication skills.
- Critical thinking.
- Ability to collaborate effectively.

Experience

Research Assistant – Dr. Bernd Surrow's NUPAX Group

Temple University Physics Department / Philadelphia, PA

2023 - 2025

- Conducted research in experimental nuclear and particle physics to measure observables.
- Processed and analyzed experimental data using C++ and ROOT by following a procedure to make measurements.
- Developed progress reports to distribute for peer research group to enhance desired outcome.

Teaching Assistant – Introductory Physics Lab Course

Temple University Physics Department / Philadelphia, PA

2021 - 2023

- Led lab sessions for an introductory physics course.
- Graded lab reports for 60+ from 3 weekly lab sessions.
- Provided academic support on lab reports and suggestions on how to conduct labs during the lab or office hours.

Projects

Data Analysis in Experimental Nuclear and Particle Physics

2023 - 2025

- Analyzed data from proton-proton collisions at the Relativistic Heavy Ion Collider (RHIC) Facility in Long Island, New York using the Solenoidal Tracker at RHIC (STAR) Detector.
- A calibration of one of the sub-detectors of the STAR detector was performed using the proton-proton collision data to improve and correct signal detection.
- This calibration work was applied to the database of the RHIC Facility to correct the data for future analyses.