Saad Bezoui

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RESUME PROFILE

Knowledgeable technology and proffesional studies with an intrinsic dedication to conduct STEM research. Along with the drive and enthusiasm for STEM research and software infrastructure, I possess a passion for learning and growing professionally within a dynamic professional environment. I possess a passion on conducting science and inovation.

EDUCATION

CUNY Hunter College ● G.P.A. 3.24
Physics and Mathematics ● Intended graduation: Spring 2023
Relevant courses ● Classical Mechanics, Electricity & Magnetism, Real Analysis, Statistical Mechanics/Thermodynamics, Abstract Algebra, Quantum Mechanics

SKILLS

Strong experience with Microsoft Office Products. ● Strong physics and mathematical theory knowledge. ● Knowledgeable in Windows O.S. ● Basic knowledge of C++ Programming language. ● Basic knowledge of Python Programming language.

EXPERIENCE

Michigan State University, East Lansing, MI 2022-Present

- Mentorship (SROP Program)
    - Conducted research alongside research team on theoretical nuclear physics.
    - Provided work regarding Bayesian analysis to quantify the uncertainties in the empirical nuclear saturation point of symmetric matter
    - Quantified how well recent microscopic calculations reproduce the empirical point
    - Utilized Python to create an algorithm that creates an improved uncertainty qualification of the empirical saturation point
    - Presented findings at Mid-SURE & AGEP symposium

CUNY Hunter College, Manhattan, NY 2021-Present

- Mentorship (RISE Program)
    - Conducted research alongside mentor on quantum computing
    - Provided work regarding implications of Grover's algorithm through classical wave interpretation
    - Remote development of interference pattern equations with Grover's algorithm iterations
    - Analyzed unambiguous discrimination through optical systems & and protocol implementation in quantum cryptography
    - Consulted mentor with assistance and referencing research papers as guidance
    - Presented findings at the CUNY Graduate Center

HONORS, AWARDS, AND MEMBERSHIPS

- Excelsior Scholarship year 2020, 2021
- RISE Program Grant 2021