Kofi Nketia Ackaah-Gyasi

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OBJECTIVE

Committed, vision-oriented, and motivated Computer Science student with strong interpersonal skills looking to gain experience in the technology field and other working fields, and to take on projects to solve problems all over the world.

EDUCATION

University of Texas Rio Grande Valley   Expected Graduation: May 2024

Bachelor of Science in Computer Science   Overall GPA: 4.00

Minor in Honor's Program

Awards

President's List   Fall '20, Spring '21, Fall '21, Spring '22

Learning Center Employee of the Month   March, 2022

Accepted into UTRGV Honor's College   July, 2021

UTRGV Presidential Scholarship   August, 2020 – Present

RELEVANT COURSEWORK: Computer Science I & II, Calculus I & II, Computer Organization & Assembly, Programming in Linux, Discrete Mathematics, Algorithms & Data Structures, Objected Oriented Programing in Python

RESEARCH PUBLICATIONS

Dimakis, Nicholas, Eric Baldemar Jr, Kofi Nketia Ackaah-Gyasi, and Madhab Pokhrel. "***Optical properties and simulated x-ray near edge spectra for Y2O2S and Er doped Y2O2S***." Materials Today Communications (2022): 104328.

WORK EXPERIENCE

Physics Department, Student Project Associate   **July,'22 – Present**
- Work in the development of a Virtual Reality artifact to be used in Physics classes and labs.

Computer Science Department, Teaching Assistant   **July '22 – August '22**
- Assist Computer Science instructors in administering knowledge to students taking CS courses.

UTRGV Learning Center, *Student Academic Tutor*   **January, 2022 – July, 2022**
- Worked as a Peer-Led Team Learning (PLTL) leader responsible for tutoring Computer Science 2 and General Chemistry 1 students.

UTRGV Writing Center, *Student Academic Tutor*   **July, '21 – May, '22**
- Worked with instructors in the Writing and Language Studies program as a peer tutor for their students.

Master's Educational Institute, *Chemistry Tutor*   **October, '19 – March, ' 20**
- Taught first year high school students General Chemistry course and assessed them by means of tests.

VOLUNTEER EXPERIENCE AND ACTIVITIES

Molecular Science Software Institute (MolSSI) Python Best Practices Workshop, *Reviewer*   **July, '22 - Sept '22**
- Listed as a contributor on the github page of the Python Best Practices Workshop by MoLSSI. I assisted a team as part of the annual review and revision of the workshop materials.

Molecular Science Software Institute (MoLSSI) Computational Chemistry Workshop, *Participant*   **June, 2022**
- Participated in a workshop at Rice University, where we used programming concepts in Python and Density Functional Theory methods to analyze data to draw conclusions about molecular interactions.

Research with Dr. Nicholas Dimakis, Physics and Astronomy Dept. Chair   **February, '22- Present**
- Part of a research team examining the optical and electronic properties of undoped and doped yttrium oxysulphide (Y_2O_2S) by Computational and Density Functional Theory analysis.

The Society of Collegiate Leadership, *Distinguished Scholar*   **February, 2022-Present**
- Recognized for my distinguished academic efforts, and part of a national community of student leaders.

Frontera Devs, Member   **January, 2022-Present**
- Work with fellow computing enthusiasts to build programming skills and establish a network

Eco Rio Environmental Studies Symposium, *Presenter*   **November 11, 2021**
- Presented my study on the Edinburg Scenic Wetlands and World Birding Center at a university-wide event

National Society of Leadership and Success, Member   **October, 2021-Present**
- Part of a national honor society to build up leaders to produce influential people in society.

NovaRhet Undergraduate Research Symposium, *Presenter*   **April 24, 2021**
- Presented my study on the Edinburg Scenic Wetlands and World Birding Center at a university-wide event

Honor Society, *Member*   **February 2021 – January, 2022**
- Participate in meetings, collaborate with others to encourage student success, and community engagement

Ambassadors of Christ, *Recruitment Coordinator*   **March 2021 – Present**
- Administer orientation to new members, engage in outreach activities, and organize Christian fellowships.

Ghana Red Cross Society, *Executive Member*   **September 2017 – May, 2019**
- Assisted injured individuals, administered first-aid to athletes and taught students good first-aid practices.

SKILLS & CERTIFICATIONS

C++ Programming, Programming in Linux, Python, C#, Animation creation with Unity, Assembly language, Microsoft Office Word, PowerPoint, Excel bilingual – fluent in English, Ghanaian language (Twi)