Ibraheem Faisal Al-Yousef

860 Academic Belt Rd., Dhahran, Saudi Arabia

s201831580@kfupm.edu.sa 966-544373016

GitHub LinkedIn

INTRODUCTION

I am a keen physics student, interested in theoretical aspects of physics especially in implementing numerical approaches to physical phenomena. I am passionate to learn, and a fast learner. I enjoy teaching, a skill that I have developed during my undergrad experience at King Fahd University of Petroleum and Minerals.

EDUCATION

B.S. in Physics, KFUPM, expected to graduate in Spring 2022.

RESEARCH EXPERIENCE

Currently working with Prof. Bahlouli and Prof. Alhaidari in implementing an alternative formulation of quantum mechanics without dealing with potential functions, check. My work is mainly focused on implementing numerical solutions and corresponding visualizations.

COMPUTATIONAL SKILLS & EXPERIENCE

Done multiple numerical projects including quantum and classical physics using Mathematica. Mainly on symbolic calculations, derivations, and visualizations.

Scored an **A** in "Computational Chemistry" course which has given me hands-on experience in calculating atomic and molecular properties using a variety of quantum and classical methods including Hartree-Fock, Monte Carlo, and DFT.

Competent in Mathematica, Python and LaTeX.

WORK EXPERIENCE

Working as a part-time job grader for PHYS102. This work experience has further enriched my knowledge in physics and exposed me to some common mistakes in physics.

PROFFESIONAL CERTIFICATIONS

- Data Analysis Using Python
- Introduction to LabVIEW Programming

REFERENCES

References are avaliable on request