SHAWN MICHAEL DAYANTI INTONG
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PERSONAL PROFILE

I'am a final-year physics student at University of Indonesia with a passion for discovery. I have focused my academic research on condensed matter physics. Alongside my studies, I have developed a deep interest in data science, machine learning, and deep learning, particularly around computer vision. Through participation in various data science competitions, I have sharpened my problem-solving skills and achieved notable results, including securing first and third place finishes. These experiences have fueled my passion for leveraging data-driven insights and advanced technologies to solve complex challenges. I am excited about the future and believe that the skills and knowledge I've gained will help me contribute to creating and shaping a better tomorrow, where technology and science work hand in hand to address the world's most pressing issues.

WORK EXPERIENCE

RESEARCH INTERN @ POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY (POSTECH)

JUNE 2024 – AUGUST 2024

- Conducted research on topological insulators and multiplet theory and presented biweekly progress to advisors and mentors.
- Made computational tight binding calculation on graphene and analyzed its band structure and topological properties utilizing Python, Numpy, and Matplotlib.
- Conducted experiment on bismuth selenide (Bi_2Se_3) to analyze dirac cone on 3D topological insulators.

EDUCATION

BACHELOR OF SCIENCE, UNIVERSITY OF INDONESIA

AUGUST 2021 – PRESENT

ADDITIONAL SKILLS AND INTERESTS

- Excel in Python, Numpy, Pandas, Matplotlib, Seaborn, OpenCV, Scikit-learn, Tensorflow.
- Winner of Data Analytics Competition Find IT! UGM 2023.
- Second Runner-up of Data Quest KEMENKEU 2023.
- Second Runner-up of Data Science Competition Star Core Analytics 2023.
- First Runner-up of Indonesia National Mathematics and Science Competition (ONMIPA) 2024.