

RIDHWAN BIN RAZALI

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Education

University of Malaya, 2018-2022

Bachelor of Science Major in Materials Science

CGPA: 3.47

Negeri Sembilan Matriculation College, Matriculation Programme, 2017-2018

(Science Stream)

CGPA: 3.61

Skills

Laboratory: Device Fabrication, Materials Characterization

Software: Python, C++, Labview, Ms Office, LaTeX

Speaking Proficiency: Malay (Native Speaker), English (Working Proficiency)

Writing Proficiency: Malay (Native Speaker), English (Working Proficiency)

Experience

Student Researcher at Center for Ionics University of Malaya, Mar 2021 – Jan 2022

- Fabricated Dyed Sensitized Solar Cells (DSSC) using composite gel polymer electrolytes with MnO_2 and CoO nanoparticles
- Characterized the composite gel polymer electrolytes inside the DSSC using EIS, FTIR, UV-Vis, FESEM, EDX, LSV, and XRD
- Reviewed and writing a scientific paper, collaborating with postgraduate students for bachelor thesis

Internship (Data Analyst intern at IRDP), July 2021 – Sept 2021

- Interpreted Parliamentary debates using Python programming language by utilizing Natural Language Processing (Malaya)
- Developed Twitter web scraping using BeautifulSoup, Selenium and Twint library and visualize the current trend to correlate the data with the parliament sentiment

Academic projects

Vibration and Resonance studies with different water level

- Conducted research about recorded sounds produced by a glass filled with different fractions of water in Python programming language and correlate the resonant frequency and decay constant with the increasing volume of water.

Achievements

- Dean list award on semester 6
- Sukan Mahasiswa Universiti Malaya (Softball player) runner-up in 2019
- Negeri Sembilan Matriculation College Got Talent competition runner-up in 2018

Activities and involvement

Zoo Negara volunteer | 2019

- Participated as a Volunteer in cleaning the reptile section of Zoo Negara
- Designed a digital poster and held an animal awareness event through various social media (Instagram, Siswamail, Twitter, Facebook)

AJK Minggu Mesra Kinabalu (Technical bureau), Kinabalu Residential College, Universiti Malaya | 2019

- Supervised stage management and lighting during the event
- Collaborated with protocol bureau in event planning and booth set-up to ensure the event ran smoothly

Feskek Sponsorship bureau, Kinabalu Residential College, Universiti Malaya | 2019

- Secured sponsorship from the various company for the event and achieved the certain target for our project
- Assisted protocol bureau and technical bureau before and during the event

Science Inspired program in Sekolah Kebangsaan Kampong Endah (Media & Technical Bureau) | 2019

- Handled technical job (presentation, sound system) during the 3 days event
- Organized educational materials and fun experiments for the 3 days in hoping to infuse standard 4-6 students with a love of science

Subjects taken:

Optical Properties, Semiconductor materials and devices, Composite, Mechanical properties, Nano Materials, Photonic, Organics Electronics, Biomaterials, Thermal Properties, Basic Electronics, Polymer physics, Electrical properties, Statistics, Magnetic and superconductor

Additional information

Availability Available to work immediately

References

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