Muhammad Amirul Bin Mohamed Din

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Education

National University of Singapore (NUS)   Aug 2019 - July 2023
Bachelor of Engineering (Mechanical Engineering), Honors

Meridian Junior College   Aug 2019 - July 2023
A Level Rank Points: 87.5/90

Experience

National Computer Systems (NCS) - *Infrastructure Engineer*   July 2023 - Oct 2023

- Executed manual deployment of UAT, SIT, ORT and PROD Environments at required timings
- Worked in a team of 20 people to troubleshoot and solve any problems faced by servers
- Ensured servers were running through daily maintenance checks

A*STAR BTI - *Mechanical Engineering Intern*   July 2021 - Dec 2021

- Prototyped cell-sampling device under guidance of research engineer
- Coded a graphical user interface using PySimpleGUI for use with prototype
- 3D-printed prototypes for testing and experimentation of cell sampling

Institute of Mental Health - *Service Medic (National Service)*   Mar 2017 - Dec 2018

- Provided rehabilitative treatment for patients to return to regular NS life
- Assessed patient behavior to decide on future plans with ward doctor

Projects

FYP, Design of Rigid-Collapsible Furniture   Aug 2022 - May 2023

- Researched on current mechanisms and designs utilized in latest in-trend furniture
- Utilized 3D-printing and laser-cutting to prototype designs to observe feasibility and structural issues

Co-Curricular Activities

Meridian Junior College Paddlers Club - *Captain*   May 2015 - Apr 2016

- Captained team to first 'A' Division Dragon Boat Competition
- Managed equipment and logistics required for training
- Planned training sessions to improve team fitness and camaraderie

Additional Information

Skills: Python, Flask, GitHub, Microsoft Office, HTML, CSS, JavaScript, SQL, SolidWorks
Languages: Written and spoken fluency in English, Malay
Awards: NUS Merit Scholarship
Certifications: CS50x - Introduction to Computer Science, SolidWorks Associate Certificate