
NUR ALYA FAKHIRA MOHD ROWI

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EDUCATION

MOSCOW AVIATION INSTITUTE, RUSSIA (SEPTEMBER 2018 - SEPTEMBER 2022)
BSc Aeronautical Engineering majoring in Aircraft Construction and Design.

Modules: Engineering and Computer Graphics, Mathematical Engineering, Theoretical and Structural Mechanics, Material Science, Mechanism and Machine Theory, Thermodynamics, Aerodynamics, Structural Materials Technology, Metrology, Standardisation and Certification, Fluid Dynamics, Flight Dynamics, Ecology, Machine Parts and the Fundamental of Engineering, Design and Manufacturing, Health and Safety.

- Conceptualised the preliminary design for development of Antonov-24 aircraft's fin to meet customer requirements and aircraft design and purpose.
- Conducted experimental, environmental, operational stress tests on models and prototypes of aircrafts.
- Managed engineering research and analysed data to determine feasibility, costs, and time of production.
- Systemised product data and design layouts and filed reports in conformity to engineering principles and quality verifications.
- Investigated the basic plane flight performance of A340-600 aircraft.

PROFESSIONAL EXPERIENCE

STEM CONNECT VIRTUAL EXPERIENCE PROGRAM, DELOITTE (OCTOBER 2021)

- Strengthened my skills in coding through programming an algorithm using Python to unify two different data models.
- Evaluated data analytics of a client's telemetry data by building a dashboard to explore.
- Projected a software development proposal which includes the overview of the project, project scope that describes the functionality, estimate of money and the approximate timeline.
- Identified and analysed a cyber security breached issue with the Cyber Security team.

LEADERSHIP EXPERIENCE

MALAYSIA-MOSCOW AVIATION STUDENT ORGANISATION (JULY 2020 - JULY 2021)

Vice President

- Directed, coordinated and monitored various events that involves the collaboration of Malaysian Embassy in Russia and also Moscow Aviation Institute.
- Organised the Malaysian Ministry of Economic Affairs visit to the Russian Federation.
- Chaired numerous sports competitions such as frisbee, basketball, and football between students from ASEAN countries.
- Collaborated with Sechenov University and Pirogov Russian National Research Medical University to host an evening market for Malaysian students to sell Malaysian local food.
- Worked closely with the President and other members of the organisation to provide blue-ribbon leadership.

RUSSIAN COUNCIL OF MALAYSIAN STUDENTS (JULY 2020 - JULY 2021)

Treasurer

- Created budgets for the annual event with the Malaysian Embassy in Russian Federation.
- Ensuring proper usage of fund with each event.
- Analysed and recommend financial strategies for future expenditure.

MALAYSIA-MOSCOW AVIATION STUDENT ORGANISATION (JULY 2019 - JULY 2020)

Treasurer

- Documented and analysed monthly financial statement and presenting them to the President of the organisation.
- Developed financial forecasting, and organisation annual expense budgets.
- Computed internal audit and review every end of the term.
- Authored sponsorship letters to the higher-ups and successfully gained funds from many companies to support most of the organisation's events.

CORE SKILLS

- AutoCAD
- SOLIDWORKS
- Aerodynamics
- Health and Safety
- Drawing Based-Designs
- Engineering Mathematics
- Microsoft Office Word, Excel and Powerpoint
- Creative Thinking
- Communication
- Leadership
- Innovation
- Teamwork

LANGUAGES

- Fluent: Malay and English
- Intermediate: Russian