

Muhamad Syahidi Bin Abdul Halim

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An all-rounder Biomedical Engineering graduate with ability to communicate effectively and prominent collaboration skills. Wide exposure to professional settings and ready to implement technical expertise and improve emerging technologies in various sectors especially in healthcare.



EDUCATION

MEng Biomedical Engineering | UNIVERSITY COLLEGE LONDON (UCL), UK Sep 2018 – June 2022

- First Class Honours (Modules include: MRI & Biomedical Optics, Medical Imaging with Ionising Radiation, Medical Instrumentation, Computing in Medicine and Anatomy & Physiology with Biomedical Application)
- Third-year Individual Project (2021): Wavelength Derivative Near Infrared Spectroscopy (NIRS) Method
- Final-year Group Project (2022): Head-cushion for Wheelchair Fall Protection

CIE A-Level | KOLEJ MARA SEREMBAN (KMS), Malaysia Jul 2016 – June 2018

- Mathematics A*, Physics A*, Chemistry A*

WORK EXPERIENCE

Supply Chain Executive, Cenviro Graduate Program | Cenviro Sdn Bhd July 2023

- Oversaw transport schedules and fleet management for the collection of scheduled waste from industries all over peninsular Malaysia.

Project Management Executive, Cenviro Graduate Program | Cenviro Sdn Bhd Jan 2023

- Supervised the development of Cenviro Ecopark, a 100-acres land for the establishment of waste recycling plants.
- Liaised and coordinated meetings with various contractors and consultants for different work packages which include Earthwork, Roadwork, Civil & Structural, Mechanical & Electrical and Water Supply & Sewerage System.

PROJECTS

Peristaltic Pump Design and Manufacture | Biomedical Engineering (BME) Department, UCL Jan 2020

- Designed a working peristaltic pump using AutoCAD and utilized several manufacturing techniques such as 3D printing and laser cutting.

Regaining Control Scenario | BME Department, UCL Dec 2019

- Actively collaborated with fellow teammates to build a mouse replacing device for client with no hand and very limited arm movement by using electromyography (EMG) signals from the user and Arduino Leonardo.

Tuberculosis (TB) Vaccine Plant in Uganda | Interdisciplinary Design Project, UCL Nov 2018

- Collaborated on a joint research project with students from different engineering background to understand the challenges in building a TB vaccine plant in Uganda while designing the instrumentation system for the prototype.

Diagnostic System for Traumatic Brain Injury (TBI) in Myanmar | BME Department, UCL Oct 2018

- Researched the key factors in designing an efficient diagnostic system for TBI patients in rural areas in Myanmar and significantly proposed a possible solution.

LEADERSHIP EXPERIENCE

President, EMAN UK & Ireland | UK & Ireland Apr 2020 – Apr 2022

- Confidently coordinated a student-led organization with the vision to empower students in the UK & Ireland through personal and soft skills development. Successfully organized more than 50 events at national and regional level, 15 collaborations with various societies while having more than 200 participations from all around the world.

Sponsorship Unit, Nasi Lemak Project | Yayasan Khazanah Malaysia & Kindness Malaysia Aug 2019

- Worked cooperatively with fellow scholars in devising a sustainable business model for *Pertubuhan Kebajikan Dan Perlindungan Al Haq Malaysia*, a welfare home located in Keramat, Kuala Lumpur with 18 children, to bear the costs of the utility bills, general healthcare and education of the children.

AWARDS

Yayasan Khazanah High Achiever Award | Yayasan Khazanah Sep 2022

- Achieved excellent result throughout undergraduate studies.

Yayasan Khazanah Global Scholarship Award | Malaysia Sep 2018 – June 2022

- Awarded a prestigious scholarship established by *Khazanah Nasional Berhad*, the investment holding arm of the Government of Malaysia for undergraduate studies.

FURTHER SKILLS

IT Proficiency: Programming: C++, MATLAB, Basic4Android, Arduino | Design: AutoCAD, Photoshop, Premiere Pro | Word Processing: Microsoft Office | Analysis Tool: Microsoft Excel, Microsoft Power BI

Languages: Malay (Native), English (IELTS Certified – Band 7.5, GCE-O – 1A), Arabic (Level 5 – 1st Class)