Contact

www.linkedin.com/in/aymanhussin
(LinkedIn)
my.smartrecruiters.com/
public/profiles/
muhammadnurayman.hussin
(Portfolio)

Top Skills

Matlab

Electrical Wiring

ArduPilot

Languages

English (Full Professional)

Certifications

Certified Drone Operation
Maintenance Repair Proficient

Certified Drone Operation Aerial
Surveillance Proficient (Advanced)

Board Certification of Graduate
Engineer

Honors-Awards

AIMS Exchange Student

Silver Medal Creation, Innovation,
Technology & Research Exposition
(CITREx) 2020

Ayman Hussin

Electronics, Programming, UAVs, Robotics and Technology
Enthusiast
Cyberjaya

Summary

Hi there!
Feel free to connect ! Just message me for any inquiries. Thank you!
Too passionate toward learning and make research towards new
technology - Drones and Robotics

For me working on robotics and UAV drone projects is my intellectual
exploration.

Specialties: System of RTK Base Station, Mission Planner, 3D
printing, Software In the Loop (SITL), Agriculture Drone, Software,
Hardware, Python, Matlab, Robotics (Linux, Robot Operating
System, LiDAR, Simultaneous Localisation and Mapping, sensors
and actuators), IoT, Machine Learning, image processing, and
Artificial Intelligence (Particle Swarm Optimisation, Monte Carlo
Method).

Experience

Poladrone
1 year

Embedded System Engineer
November 2021 - Present (2 months)
Malaysia

• Take on challenging problems in hardware sensing enablement including
distance sensing, UAV localization, navigation, and obstacle avoidance.
• Research and implementation of algorithms on control systems and UAV
sensor technology.
• Actively collaborate with drone hardware engineers to optimize design,
ensure functionality, support software production tool training and
documentation.
• Design experimental flight tests to assess UAV subsystem performance in a
real-world environment and provide feedback to technical teams.

• Handle PCB and provide schematic design for PCB for further R&D of UAV.

Electronic Production Technician
January 2021 - November 2021 (11 months)
Cyberjaya, Selangor, Malaysia

• Assemble electronic part for agriculture drone
• SMD to PCB soldering
• Setup the ublox GPS/GNSS RTK base station.
• Assist engineer to make improvement on C/C++ Programming & PCB
Design.
• Plan and execute drone operations for projects.
• Build and repair UAV that related to software and hardware.
• Ensuring smooth after sales service including repair supply chain.

UAV Pilot cum Technician
January 2021 - March 2021 (3 months)
Cyberjaya, Selangor, Malaysia

• UAV team lead
• Conduct routine maintenance on UAV drones
• Troubleshoot malfunctioning or defective drones, and repair issues
discovered
• Inspect drones for maintenance issues or possible malfunctions before flights
• Assist with the development of simulation exercises designed to test drones
for real-word scenarios

PETRONAS
Instrumentation and Control Engineer
June 2018 - August 2018 (3 months)
Kertih, Terengganu, Malaysia

- Learnt instrumentation that related to oil and gas plant.
- Servicing and troubleshooting for Instrumentation Maintenance
- Understanding the fitting for every instrument component beside learnt the
instrumentation work.
- Understanding Distributed Control System.

Globalmation Sdn Bhd
Electrical Technician
August 2015 - January 2016 (6 months)
Shah Alam, Selangor, Malaysia

- Servicing and installing Switch Cabinet for machines.
- Learnt read wiring circuit diagram

- Assemble, wiring and conduct testing on system panels.

Education

Asia Drone & IoT Technology
Certified Drone Operation Maintenance Repair
Proficient , Dronepreneur · (2020 - 2020)

UNIVERSITI MALAYSIA PAHANG
B.ENG (HONS.) ELECTRICAL ENGINEERING (POWER SYSTEM), Electrical
and Electronics Engineering · (2016 - 2020)

University of Mindanao
Bachelor of Engineering - BE, Electrical and Electronics
Engineering · (2019 - 2019)

UNIVERSITI MALAYSIA PAHANG
Diploma , Industrial Electronics Technology/Technician · (2013 - 2016)