

AA

AHMED AL-NUSSAIRI

ELECTRONICS ENGINEERING STUDENT | WWW.ALNUSSAIRI.COM

OBJECTIVE

I am a second-year electronics engineering student with relevant industry experience and outstanding academic performance. Currently looking for work placement opportunities.

SKILLS

I am proficient in the following languages and skills:

- C, C++, C#
- HTML5, CSS3
- JavaScript
- Python
- Assembly
- Project Management
- Embedded Systems
- Digital Logic
- Microsoft Office
- Leadership
- Communication
- Organisation
- Teamwork
- Critical Thinker
- Creative
- Adaptable
- Full list on: www.alnussairi.com

EXPERIENCE

STUDENT AMBASSADOR • UWE BRISTOL'S INTERNATIONAL COLLEGE • OCT 2018 - CURRENT

Assisting students with any queries, giving city tours, managing and partaking in events.

Contact: Francesca Colangelo (francesca.colangelo@kaplan.com)

RESEARCH ASSISTANT INTERN • CENTRE FOR MACHINE VISION • AUG 2018 - SEP 2018

Assisting researchers at the Centre for Machine Vision in their projects. In this time, I implemented a Photometric Stereo Technique Plant Phenotyping Rig on a small embedded computer.

Contact: Gytis Bernotas (gytis.bernotas@uwe.ac.uk)

IT SUPPORT TECHNICIAN • HASAROST GENERAL TRADING • JUNE 2017 - JANUARY 2018

Advance the IT infrastructure at Hasarost and routine IT support duties. Responsible for building a new electronic database system for the company on Microsoft Access.

Contact: Haytham Alwan (info@hasarost.com)

UNIVERSITY EDUCATION

BENG (HONS) ELECTRONICS ENGINEERING • CURRENT • UWE BRISTOL

Currently entering the second year of my degree at the University of the West of England. Expected degree: First class honours.

Modules:

Electrical and Electronic Engineering Principals 1, 2
Digital Electronic Systems, Programming
Mathematics for Engineers 1, 2
Microcontrollers Application Group Laboratory
Maths for Signals and Control
Project Management
Digital Design 1
Signal Processing and Circuits
Control
Sensors, Transducers and Actuators

Distinction
Distinction
Merit
Ongoing
Ongoing
Ongoing
Ongoing
Unbegun
Unbegun
Unbegun

(High school education overleaf)



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HIGH SCHOOL EDUCATION

GCE A-LEVELS • 2015 - 2017 • CARDIFF AND VALE COLLEGE

Completed A-Levels in:

- Mathematics
- Physics
- Information and Communication Technology
- Welsh Baccalaureate

VOLUNTEER EXPERIENCE

ELECTRONICS TEAM MEMBER • UWE FORMULA STUDENT TEAM • OCT 2018 – CURRENT

Working in the formula student team to develop sensors and systems for the formula student society and team with the goal of performing in the 2019 Formula Student.

Current Projects:

- Implement New Engine Control Unit in 2019 car
- Improve Telemetry System
- Improve driver Digital Instrument Cluster reliability
- Add Traction Control and Launch Control Ability

MEMBER • INNOVATIVE TECHNOLOGY SOCIETY • OCT 2018 – CURRENT

A member of the innovative technology society at UWE. It is a maker group based on the main campus and indulges in activities around building and tinkering projects.

ACHIEVEMENTS

TALKING MULTIMETER FOR VISUALLY IMPAIRED ENGINEERS • 2017

I designed, built, programmed and tested a module that communicates with Digital Multimeters that have the **RS232** protocol as part of my individual project for my Welsh Baccalaureate. The project received a distinction for being a very useful project.

2ND PLACE – UNIVERSITY OF SOUTH WALES ROBO RALLY COMPETITION • 2016

I was the **team leader** of my college's entrant team in a national robotics competition held at the university of south wales. Our team had to *build, program, calibrate and test* a line follower that had the same components as the other teams. We incorporated **PID Control** to gain a competitive advantage and placed 2nd in the competition.

MOST CREATIVE SOLUTION TO A GLOBAL OR LOCAL PROBLEM • 2015

I designed, built and tested an electric bike as a solution to congestion and global warming resulting from transport sector. The project received the “most creative solution to a global or local problem” award as voted by my school's students, parents and teaching staff.

Please visit <http://www.alnussairi.com> for a complete and interactive portfolio of my experience, technical skills and achievements.



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