ADAM BENMOHAMED

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Greater London, United Kingdom

EDUCATION AND AWARDS

BEng Mechanical Engineering with Industrial Experience Queen Mary University of London, London, ENG   2021-2024

- 1st Class Honours – (74% Average)

A-Levels Ernest Bevin College, London, ENG   2019-2021

A Levels: Maths -A, Biology- A, Chemistry- A
GCSEs: 10 A*-C Including Mathematics and English

WORK EXPERIENCE

Duty Manager Antoinette Hotel, London, Wimbledon   2024-Ongoing

- Implemented and trained staff on new guest management software, reducing check-in/check-out times by 25% and improving overall data accuracy by 30%.
- Collaborated with over 50 new clients or end-users during software implementation, providing personalised technical support, which led to a 10% increase in user satisfaction.
- Assisted colleagues in troubleshooting software-related issues, resolving 90% of inquiries within the first interaction, boosting team efficiency by 20%.
- Helped staff adapt to the new system, conducting training sessions that increased proficiency by 40% and reduced staff errors by 25%.

Volunteer Worker Saturn Pharmacy, London, Greater London   2019-2019

- Utilized excellent listening skills, empathy, and a friendly approach, leading to a 95% satisfaction rate among service users.
- Reorganized pharmacy storage, improving item retrieval time by 30% and reducing misplaced items by 20%.
- Maintained clean and hygienic pharmacy environments by sanitising counters and surfaces daily, ensuring 100% compliance with hygiene standards.

PROJECTS

Design And Development of a Myoelectric Prosthetic Hand with Tactile Sensing and Haptic Feedback   2023-2024

- Helping amputees by providing affordable and comfortable myoelectric hands to ease their everyday lives, which are being burdened physically and mentally by having a missing limb
- Created a built circuit using an Arduino UNO, potentiometers and servo motors, all in tandem to move the digits of the prosthetic hand.
- Using Arduino and MATLAB software, programmed a code for the servo motors and potentiometers to work in tandem and refined the code further to make it more efficient

Programming Of A 4 Degree of Freedom Robot Arm   2022-2023

- Using two 555 timer ICs in a circuit (one as an oscillator and the other as a pulse width modulator to produce a PWM signal output).
- Using teamwork and problem-solving skills, I conducted a structured working environment on how to set up the circuit by delegating tasks within my team so that it would work.
- After the circuit was completed, using specific inputs, we were able to get the arm working and grabbing.

Finding A Solution for Siemens' Blistering Problem   2022-2023

- During the manufacturing of armatures, blistering was occurring for an unknown reason and in a team, we were tasked with how to solve the problem
- To find the solution, we needed to provide a detailed report and presentation to a Siemens employee and provide an economical and environmental solution.
- This needs good public speaking skills, teamwork, and good Microsoft Office usage to get the point across and for them to invest in our idea

ACCOMPLISHMENTS AND ACHIEVEMENTS

Placed 1st in the English National Team Finals for table tennis (for the school of Ernest Bevin College), Multiple 1st place finishes in many table tennis tournaments over a period of 6 years - various trophies and medals from football and swimming competitions.

ADDITIONAL SKILLS & INTERESTS

Languages: English, French - B2, Slovak - A1, Arabic - A1

IT: Proficiency in AutoCAD, Fusion 360, StarCCM, Arduino IDE, Python and Microsoft Offices - Excel, PowerPoint, and Word

Sport: Table Tennis, Swimming, Volleyball, Football

Skills: Technical Problem Solving, Mathematics and Teamwork

Interests: Gym, Language Learning, Rock Climbing, Photography