Sumiran Gurung
London NW11
Tel: 07415655186
Email: gsumiran@yahoo.com

Profile

A hardworking, attentive to details and perfectionist Electrical and Electronics Engineer with a comprehensive knowledge of designing, developing, programming and testing of electrical and electronic systems. Worked as a Quality Assurance Engineer and a Hardware Control Interface Engineer and hold an MSc in Electrical and Electronics Engineering and a BEng in Electronics and Communication Engineering. Actively seeking a company to utilize my technical skills and expertise fully to contribute towards the growth of the company.

Key skills

- A flair for Mathematics, Science, Technology and IT: MS Office, Website Designing, Graphic Designing
- The ability to analyze problems and assess solutions
- Able to prioritize individual workloads according to deadlines
- Knowledge of computer software: Dewesoft, ATI, Concerto, MPLAB IDE (ISIS- schematics, Proteus- simulation, ARES- PCB design), LOGO
- Knowledge of programming languages: C/ C++
- Able to read electrical design specifications and technical drawings
- Strong decision-making skills
- Excellent communication skills and team working skills

Qualifications

University of Greenwich, UK (2011)
MSc in Electrical and Electronics Engineering
Subject studied:

- Embedded Systems Design
- Advanced Electronics Systems
- Multiple Integration
- Advanced Control and Instrumentation
- Strategy & Management
- Individual Project
- Research Methodology

Visvesvaraya Technological University, India (2005)
BEng in Electronics and Communications Engineering
Subject studied:

- Power Electronics
- Analogue and Digital Electronics
- Microprocessor and Microcontroller
- Control Engineering
- Signal and Systems
- Network Engineering
- Analogue and Digital Communication
- Telecommunication and Switching
- C/C++ Programming
- Computer Communication
- Satellite Communication
- VHDL and VLSI Design

Projects

Designed and implemented intelligent sensor-based lighting system
An intelligent sensor-based lighting system was designed and constructed, using LDR and motion sensors as input and high power LED as output, controlled by C program stored in microcontroller, PIC 16F88. This project enabled the light to turn on/off automatically in the presence/absence of human-beings.

Designed and implemented a proximity robot
This project enabled a self-controlled robot to steer away from the object in its vicinity. The timer IC LM555 generated continuous signal transmitted by IR LED. Whenever there was an object in front of the robot, the signal was reflected and sensed by the receiver. The output of the receiver was connected to the interrupt of a microcontroller, AT89C51. The program in the microcontroller was executed and changed the direction of the robot with the help of a stepper motor.

Designed and implemented interfacing PC with light and fan
This project enabled PC to control light and fan with the help of relays. The printer port of PC was used for interfacing the hardware. The decoder, IC 74LS138 acted as a device selector. Turbo C program was executed to control the light and fan from the computer.

Work experiences
Quality Control Engineer at Alcatel Lucent Submarine Networks, London
September 2018 to November 2018 (temporary contract)
Key Responsibilities
- Responsible for internal audits and action on any issues raised
- Worked with the Engineering and other departments to ensure continuity and flow of production in a timely and effective manner
- Supported production on all quality issues in a timely
- Responsible for identification of internal departmental process improvements
- Responsible for release of Product Specifications, Test Instruction Sheets
- Captured data for the businesses Key Performance Indicators as defined e.g., NRFT
- Adhered to the internal procedures and quality plans as defined

Warehouse Operative at Sainsbury's, London
May 2017 to June 2017 (temporary contract)
Key Responsibilities
- Responsible for picking food as per packing lists
- Closed and changed the packed cage
- Put away pallets and hand pallet pump after use.

Warehouse Operative at Edible Oils, London
April 2017 to May 2017 (temporary contract)
Key Responsibilities
- Responsible for printing and labelling the packed orders
- Ensured there were no stock discrepancies through inaccurate stock movement
- Recorded the processed order from production to warehouse and vice versa
- Ensured all work areas were clean and tidy

Team Member at KFC, London
March 2016 to July 2016 (permanent contract)
Key Responsibilities
- Kept the designated work area, restaurant, designated equipment and restrooms clean
- Operated equipment safely and correctly and according to company procedures
- Approached and took orders from the customer in a courteous, friendly and efficient manner
- Adhered to all Cash Accountability standards and procedures
- Rotated food products on oldest date first basis and kept product stocked as required

Hardware Control Interface Engineer at Ford Motor Company, Essex
February 2014 to December 2014 (temporary contract)
Key Responsibilities
- Ensured overall system level functionality for correct component operation
- Established and agreed hardware interface/ software/ calibration to support correct component functionality
- Verified system level integration of components on engine and vehicle
- Supported Dynos/ Vehicles for troubleshooting as required
- Maintained quality documentation and sign-off evidence

Hobbies and Interests
Playing table-tennis, listening to music, watching movies and hiking.

References
References are available on request.