

Bash Hweij

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Objectives

To obtain position in a high-quality environment, where I am able to employ and enhance my experience and academic skills

Education

- (1) Bachelor's Degree in Electronics and Communications Engineering
University of Bath (Bath, United Kingdom)
Graduation Project: Transient Response Testing Equipment Grades: 3rd Class Honors
- (2) University of London Advanced Level Certificate in Mathematics, Further Mathematics and Physics
Modern Tutorial College (London, United Kingdom)
Grades: Mathematics (A), Further Mathematics (B), Physics(B)

Other Certifications

- Certificate in Analyzing and Visualizing Data with Microsoft Excel
- EPA Section 608 Universal HVAC Technician Certification
- Certified member of the IEEE

Professional Experience

- (1) Free-lance Software and Hardware Developer (2010 - Present)
Software: Design, Development, Testing and Enhancement using C/C++ and VB/VBA languages.
Hardware: Building, programming and testing Micro-Controller-Unit and sensor-based and low power electronics circuits.
Other: Project analysis and requirements, submitting financial and technical proposals, network and system installation, upgrade, repair, monitoring and administration
- (2) IT Engineer: Establishing network infrastructure, Building PCs, System and Network Administration, Software Development using VB.net and VBA, Software Installation and Maintenance, Hardware Integration, Resource Management and Reporting.
- (3) Products Manager: Regional representation and management of international products including: Microsoft, Websense, NetIQ, Bluecoat, NAI, IPSwitch, and GFI.

Computer Skills

- Programming in C, C++, VB.Net, VBA and batch scripts
- Software design using Visual Studio, QT, Eclipse, AVR
- Professional experience Microsoft Office applications and VBA scripting, LibreOffice and OpenOffice.
- Graphic design and diagramming using GIMP, Adobe Photoshop, Microsoft Visio
- Electronic Design Automation (EDA) using ORCAD, KiCad + Eeschema, CircuitMaker, CircuitStudio, Altium.
- Experience with other software including MATLAB, SQL, PCAP, IIS, Apache, SolarWinds, Dreamweaver, SeaMonkey, IBM Z/OS (Hercules)

Extra Curriculum

- Very good mathematics, electronics, mechanics and physics skills
- Experience in networking including UART, USB and TCP/IP protocols.
- Experience in wireless communication including: ASK/OOK transmitters and receivers, WiFi, GPS, GSM/GPRS modules.
- Experience and knowledge in testing, measurement, calibration and using testing equipment including DMM, Oscilloscope, Signal Generator, CAD/Simulation, and HVAC testing equipment
- Knowledge and hand-on experience in plastic molding, PC building, PCB prototype fabrication, electronic circuits and networking
- Programming micro-controller units and designing electronic circuits
- Knowledge and experience in working in accounting and ERP software