Anita Job

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PROFESSIONAL SUMMARY

- An accomplished fourth year Electrical Engineering student with a solid educational foundation and applied experience in digital signal processing (DSP), power electronics, automotive sensors, embedded system design, automotive electronics, and micro-electromechanical systems (MEMS)
- Acquired 2 years of work experience in a fast paced, multi-levelled global establishment, delivering fast solutions under a tight schedule, where the work performed increased daily production and reduced management overhead
- Communicate fluently in both English and Korean (both written and verbal)

TECHNICAL SKILLS

- **Design Tools:** AutoCAD, MATLAB & Simulink, PSpice, Solid Edge, Pad2Pad
- **Programming Languages:** Java, C/C++, SQL, HTML, XPath, Shell scripting, Batch scripting, VHDL, Verilog
- **Software Applications:** Eclipse, VMware, MS Office (Word, Excel, PowerPoint, Project)
- **Database:** Oracle, IBM Db2
- **Operating Systems:** Windows 10, Windows Server 2019, macOS Server, Solaris
- **IBM Certifications:** Blockchain, Cloud, and Security

EDUCATION

Bachelor of Applied Science Honours, University of Windsor August 20xx
Major: Electrical and Computer Engineering

- 16-month internship and 4-month co-op experiences.
- University of Windsor Intelligent System Design Team founder and leader
- Faculty of Engineering Undergraduate Student Mentor

Bachelor of Mathematics, University of Windsor August 20xx
Major: Mathematics and Statistics.

RELEVANT WORK EXPERIENCE

WebSphere BPM Integration Testing Tools QA Tester (Internship) May 20xx – Aug 20xx
IBM Canada Software Group, Markham, ON

- Assembled and managed Web Sphere BPM V6.2 multi-stacked ADHOC server used by IBM developers, testers, architects, and managers around the globe to test the latest implemented codes and verify integration with other products.
- Set up a demo server used in IBM's business proposal to major clientele and received praise from the clientele for excellent presentation.
- Developed and integrated the very first automated BVTs and FVTs for Web Sphere Publishing Server V6.2 (WPBS) widgets and its feature pack Business Leader (BL) widgets on Business Space.
- Developed and implemented over 200 automated BVT and FVT test cases for WPBS and BL, reducing 6 hours of manual testing and maintenance overhead down to 2 hours of automated testing with thorough status report.

WebSphere Business Compass QA Tester / Automation Developer (Co-op) Jan 20xx – Apr 20xx
IBM Canada Software Group, Markham, ON

- Developed and implemented over 60 automated build verification tests (BVT) for Web Sphere Business CompassV7 (WBC).
- Created over 40 flex APIs to test flex widgets on WBC.
- Reduced 2 hours of manual testing and maintenance overhead down to 30 minutes of automated testing.
- Designed and developed an automation project for WBC to execute verification tests silently, including BVT, install (IVT), function (FVT), and system (SVT) on multi-platforms and reported results to department heads.

PROJECT EXPERIENCE

Intelligent Management System Team Lead, University of Windsor Jan 20xx – Aug 20xx
Electrical Vehicle Battery Management and Monitoring System Project

- Led a team of 3 engineering students to design, assemble and implement a Battery Management System (BMS) on an ongoing Electrical Vehicle (EV) project in the Faculty of Engineering.
- Prioritized tasks and interim deadlines for each team member, developed a project schedule covering an 8-month time period and oversaw and managed team's progress.
- Constructed and simulated a Proportional Integral Derivative (PID) controller to improve the stability and performance of the system, successfully increasing performance of the system by 45%.
- Programmed PIC microcontroller in C to monitor each battery cell to maintain minimum and maximum voltage level, regulate current flow, and secure system from overheating.
- Developed a graphical user interface (GUI) to allow interaction between the driver and the information processed by the BMS.

Intelligent System Design Team Lead, University of Windsor Sept 20xx – May 20xx
Autonomous Robot Racing Challenge Project

- Recruited and organized a team of 5 to design and construct an autonomous robot with programmable embedded-microcontroller to assist with carrying out daily living tasks such as washing dishes and vacuuming.
- Coordinated with the faculty members and administrative officers to organize and manage team's progress.
- Liaised with local manufacturers and secured industrial donors for the project.
- Carried out complete project management from proposal stage to implementation of an autonomous robot with programmable embedded-microcontroller.
- Fabricated the h-bridge board to govern the motor control.
- Programmed PIC microcontroller in C to control the h-bridge, sensors, and CPU of the robot.

References Available Upon Request