Bowen Song

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Professional Profile

- Teamwork software developing experience with Fortune 500 Companies
- Internship experience in drafting and editing AutoCAD drawings
- Focused on image & signal processing and compressing technique studying
- Proven researching ability under minimum guidance and project managing skills

Education

Bachelor of Engineering   Sept. 2012 – Present
University of Victoria   Victoria, BC
4th year Electrical Engineering - Image, Video and Signal Processing, Optimization, Circuits
Design, Error Control Coding, Pattern Recognition

Technical Skills

Testing Equipment: Oscilloscope, Multi-meter, Signal Generator, Logic Analyzer
Circuit Equipment: Diode, Capacitor, Digital logic gate, Transistor, LCD, Sensor, controller
Programming Languages: C, C++, Robot C, C Assembly, MATLAB, HTTP, VB.NET
Operating Systems: Apple OS, Windows XP/7/10, Linux
Software: MS Office Suite, iWork, Eclipse, R, MEFiSTo, Visual Studio, Wireshark, PuTTY,
DB2, IBM Domino, MAXIMO Asset Management, MATLAB
Drafting: AutoCAD, SolidWorks

Projects

IBM Lotus Notes/Domino Reader   2016
Developed a .NET software to monitor templated IBM Notes email and update database
Scheduled Maximo Database Tracker   2016
Developed a .NET software that preforms and reports scheduled query task in Maximo database
Automated Product Firmware Update Testing Software   2015
Designed a C++ program to replace manual involvement in branded product reliability testing,
which builds multiple connections for controlling and monitoring the unit under test, follows
testing procedure, recalibrates UUT during error incidents, and reports testing result
Automated Cell Image Segmentation and Edge Detection Algorithm (MATLAB)   2015
Customized segmentation algorithms to isolate overlapped cells in Pap smear image
Smart Campus Design and Development for Natural Disaster   2014
Assessed and improved emergency response system of University of Victoria with alarming
system and escape plan
Pulse-Width-Modulated Signal Generation and Monitoring System (Assembly)   2014
Developed an embedded system with microcontroller to monitor and control a PWM signal
generated by NE555 IC external timer
Self-Orientated Nuclear Waste Cleaning Robot   2012
Built a robot prototype and programmed Micro-controller to self-detect and clean up an emulated
nuclear waste incident

Professional Link & Contact Information

Linked In: www.linkedin.com/in/songbowen
Email: mikesong@uvic.ca   Phone: +1-250-884-6711

Work & Volunteer Experience

TES Co-op Student   May - August. 2016
ISM Canada – Department of Technology Engineering Service   Victoria, BC
- Developing software alongside a team and enlisting in life cycles of multiple software development process including sprint planning, implementation, and bug-fix maintenance

Student Trainee   Sep - Dec. 2015
Western Digital Corporation (SEV&SWQA)   Ayutthaya, Thailand
- Working with product testing team on product firmware reliability tests and focusing on designing software program replacing manual firmware update testing procedure

Store front (Part-time)   Nov. 2014 - Jul. 2015
Tim Hortons   Victoria, BC
- Helping guests order food, preparing food and beverages

Engineering Assistant   May - Sep. 2011 & 2012
Metallurgical Corporation of China (MCC)   Shanghai, China
- Assisted Engineers with AutoCAD drafting of mechanical drawings and print-outs
- Applied technical knowledge to innovate, design and develop processes, tooling, assembly fixtures and procedures

Mentor (Volunteer)   Sept. 2014 - May. 2015
University of Victoria Global Community Mentorship Program   Victoria, BC
- Help students with communication skills, Canadian culture and vacation plans

Cook (Volunteer)   Sept. 2013 - May. 2014
The Mustard Seed   Victoria, BC
Prepare and Serve food on weekends for people in need

Certificates, Achievements & Interests

- Occupational First Aid Level 1
- Valid class 7 driver's license
- Municipal TaiChi Master
- Grade 10 Piano Certificate
- Olympic Second Level Swimmer

Reference available upon request

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