SHASHANK SABHLOK

2B Electrical Engineering| 20505648
ssabhlok@uwaterloo.ca| shashanksabhlok.github.io|+226 750 6686

SUMMARY OF QUALIFICATIONS

- Motivated, creative team-player with experience in leadership roles and solid communication skills acquired through 4 years' worth of international volunteer experience.
- Attained competency in circuit board debugging and hands-on experience with oscilloscopes, transistors, and digital multi-meters, through academic lab work and UW Race Car Team. Experienced in MULTISIM (Circuit Design Software) & fundamental proficiency with Altera Quartus. Working on Arduino side projects.
- Proficient in: C#, C++, Selenium, MATLAB, MySQL, HTML5, CSS3. Self-taught knowledge of Python, ASP.Net, VBA, LUA and familiar with VHDL, Android Development (Java), ARM, JavaScript.
- Extensive knowledge in Microsoft Office Suite & GIMP. Confident with Windows XP, Vista, 7, 8 and Mac OS. Competent with Active Directory, Service Manager Console and SAP (Level 1).Familiar with re-imaging computers, and AS 400 Applications.

PROFESSIONAL EXPERIENCE

Stochastic Computing Research Assistant   **May 2015 - Present**
- Shortly beginning a research project involving hardware modelling with Dr. Gaudet, Associate Chair, Electrical Engineering department.

Quality Assurance Developer, Savision   **January 2015-April 2015**
- Wrote various unit tests for Savion's latest application in C# and Selenium. Whetted the skill of being resourceful whilst operating in a start-up like environment.
- Developed the back-end logic for the homepage of the application in ASP.Net MVC. Gained insight into SCOM.
- Created LUA Scripts to generate fake IT environments that further aided the development and testing processes.
- Manually tested the entire application across all platforms and reported bugs to JIRA. Authored the complete testing documentation for the application.

IS Analyst, Service Desk –Maple Leaf Foods   **April 2014-August 2014**
- Provided support to users concerning problems related to SAP, AS400, Cisco VPN, Windows, Microsoft Office along with computers and network printers used in the organisation. Acheived a 75% first call resolution rate.
- Acquired skills to write and update procedures and knowledge articles for the Service Desk.
- Pursued various SAP support teams to gain a better insight into different SAP environments.
- Recommended by manager for ability to work well with colleagues and initiative in requesting additional work.

School Prefect - St. Mary's Catholic High (Dubai, UAE)   **March 2010-May 2013**
- Handpicked by the Principal and faculty for 3 years in a row.
- Assigned responsibilities to students while executing various events conducted by the school.
- Mentored junior students academically and in extra-curricular activities.
- Consolidated administrative records at the principal's office.

EDUCATION

Candidate for Bachelor of Applied Science, Electrical Engineering   **Sept 2013-Present**
University of Waterloo (Waterloo, Ontario)
Relevant courses: Electronics I & II , Data Structures & Algorithms (C++ & UNIX), Numerical Methods (MATLAB), Embedded Systems, Digital Circuits and Systems (VHDL), Digital Computers (ARM Assembly),Macroeconomics.

PROJECTS

Personal Website – shashanksabhlok.github.io   **March 2015 - Present**
- Applied self-taught knowledge of HTML5, CSS3 and JavaScript to completely revamp the design of an open-source template so that it effectively conveys information. Acquired knowledge about the bootstrap framework.

FPGA Programming   **January 2014 – April 2014**
- Programmed FPGA boards with VHDL, so that the switches and LEDs respond according to the logic required. Lab work included simple models of a car controller, elevator controller and a traffic light controller.

Android Navigation App   **January 2014 – April 2014**
- Used in-built sensors in an android device to create a pedometer application which detects and logs footsteps through a state machine, and combines sensor's readings to track the user's position on a model of the physical world.

VOLUNTEER EXPERIENCE

Special Needs Dept., St. Mary's Catholic High School (Dubai, UAE)   **October 2012 – March 2013**
- Tutored children with ADHD in Math and English on a weekly basis, all of whom showed a significant improvement in their testing scores.

Jibanjyoti Welfare Association (Orissa, India)   **Summers 2010 – 2013**
- Worked with individuals with mental and physical disabilities, engaging them in activities like drawing, painting, singing and reading.
- Assisted in administrative work, such as communicating with clients via e-mail.

Head Fundraiser, St. Mary's Catholic High School (Dubai, UAE)   **September 2011 –May 2012**
- Led a team of volunteers to organize bake sales and other activities to raise funds in school for building water wells in Philippines, in collaboration with CFARM – a NGO based in the Philippines.
- Efficaciously worked as a part of a team to spread awareness about the project throughout the school campus

Divine Light Trust (Mussoorie, India)   **July 2009 & July 2011**
- Taught impoverished individuals basic Math, English and about personal hygiene.

AWARDS & CERTIFICATIONS
- Six Sigma White Belt - completed at Maple Leaf Foods Inc.(2014)
- University of Waterloo President's Scholarship of Distinction for exceptional academic achievements in high school (2013).
- University of Waterloo Nortel Networks undergraduate entrance scholarship - awarded for involvement in extracurricular activities and excellent high school academic record (2013).
- Certificate of merit for academic achievements in "O" Levels (2012) – awarded by St. Mary's Catholic High School, Dubai. Graduated in top five percent of the class.

ACTIVITIES AND INTERESTS
- Member of the University of Waterloo Finance Association.
- Former member of the University of Waterloo Race Car team.
- Tennis, cricket, swimming, and soccer.
- Guitar, travel and reading.