

Ajanthan Hariharan

1B Software Engineering

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Summary of Qualifications

- Excellent programming skills using C, C# and C++
- Exposure to web development technologies such as HTML, CSS, PHP, JavaScript and jQuery
- Knowledge of object oriented programming
- Knowledgeable of the software development cycle and QA testing methodologies
- Proficient in Microsoft Office (Word, Excel and PowerPoint)
- Familiar with Windows and Linux Operating system
- Strong understanding of networking fundamentals, routing, switching, and wireless technologies
- Self-starter and an independent learner with good problem solving and communication skills

MAJOR PROJECTS

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| September 2013-
December 2013 | Programmer, Maze Navigation Project <ul style="list-style-type: none">• Programmed a Scribbler robot that navigates through maze, and graphically displays the path taken in python• Developed understanding of different software development life cycles and management methodologies |
| September 2010 -
November 2012 | Team Leader, Canada/USA Formula One in Schools International Competition <ul style="list-style-type: none">• Team lead for a Canadian and American collaborative team that designed and marketed a 20:1 scale miniature formula one car• Represented North America in the Formula One in schools Finals in Abu Dhabi• Raised approximately a value of \$ 50 000 through sponsors to fund the project• Developed strong communication, leadership, and project managements skills |
| September 2012-
December 2012 | Team Leader, Robotics ISU <ul style="list-style-type: none">• Designed a humanoid robot with VEX robotics pieces and programmed a parallax microcontroller, to control the robot via a remote controller, in PBASIC• Contained 2 functional arms and mobility• Developed various skills such as problem solving and project management |
| November 2011-
April 2013 | Leader, VEX Robotics Team <ul style="list-style-type: none">• Team Leader of 5, in designing, building and programming a remote controlled VEX robot that was capable manipulating objects and navigating around paths |
| September 2010 -
December 2011 | Designer, UOIT Lego Robotics Team <ul style="list-style-type: none">• Designed an autonomous robot that uses light and touch sensors to navigate around a track and avoid obstacles• Developed strong problem solving and critical analysis skills |

WORK EXPERIENCE

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| June 2011 -
August 2011 | IT and Business Department Assistant
ITuitive Business Solutions: Summer Co-op |
| | <ul style="list-style-type: none">• Disassembled used desktops• Assisted in managing company incoming and outgoing invoices through company database• Created and managed company employee expense claims |

CERTIFICATES, AWARDS, AND HONOURS

- 2nd place (nationals) and 13th place (internationals)in Formula One In Schools World competition (2012)
- 1st place (2010) and 2nd place (2011) in UOIT Lego robotics competition
- IT Essentials: PC Hardware and Software, Cisco Networking Academy (2012)
- CCNA Exploration: Routing Protocols and Concepts, Cisco Networking Academy (2012)
- CCNA Exploration: Networking Fundamentals, Cisco Networking Academy (2012)
- CCNA Exploration: LAN Switching and Wireless, Cisco Networking Academy (2012)
- CCNA Exploration: Accessing the WAN, Cisco Networking Academy (2013)
- Focus on Technology certificate, Information Communication Council (2012)
- Excellence in Technological Design - (top mark in school) (2010)
- Certificate of Distinction - Cayley Math Competition, University of Waterloo (2010)

EDUCATION

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| September 2013 -
Present | <ul style="list-style-type: none">• Candidate for Bachelor of Applied Science (BASc.)
Software Engineering Co-op, University of Waterloo, Waterloo ON |
| September 2009 –
June 2013 | <ul style="list-style-type: none">• SATEC @ W.A. Porter Collegiate Institute, Toronto ON
Completed requirements for the Focus on Information Technology (FIT) program and the Specialist High Skills Major (SHSM) program, specializing in Information and Communication Technology |