

Santanu Sarker

2A Electrical Engineering

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Summary of Qualifications

- Adept in Java, Visual Basic, AutoIT, and MySQL with a high level of proficiency in C#
Projects Include: developing 2D computer games, writing scripts to automate repetitive tasks, and creating android applications.
 - Familiar with web design & development with HTML, CSS, JavaScript
 - Experienced in common computer skills developed through high school and university courses
Programs Include: MS Word, Excel, PowerPoint, OneNote, Adobe Photoshop, and Sony Vegas
 - Excellent leadership and communication skills developed through school teams and clubs
 - Exceptional problem solving skills developed through school projects and extracurricular activities
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Work Experience

Systems/Network Administrator

May 2015 – August 2015

Matcor-Matsu Inc, Brampton, ON

- Maintained several servers and assisted in day to day System/Network administration
- Assisted in the design and implementation of System/Network upgrade and modification
- Developed scripts to efficiently automate daily tasks

Basketball Coach

June 2012 – September 2012

YMCA of Greater Toronto, Scarborough, ON

- Co-ordinated with the head coach to plan and teach children essential basketball drills
- Effectively communicated with parents about their children's progress in basketball.

Youth Zone Coordinator

June 2013 – August 2013

YMCA of Greater Toronto, Scarborough, ON

- Created engaging and enjoyable activities for children from ages 6-12
 - Commendably managed children by ensuring their enjoyment
 - Troubleshoot and fixed any technical problems with TVs, Xbox 360s, and PCs
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Activities and Interests

Android Development

December 2014 – Present

- Created android applications that help users interact with the real world using sensor information

Web Development

July 2014 – Present

- Designed intuitive and functional websites using HTML, CSS, Bootstrap and JavaScript

PC Game Development

February 2013 – June 2014

- Implemented knowledge of OOP to create 2D games in C# XNA game studio
- Utilized knowledge of arrays and lists to efficiently store and retrieve data from files
- Designed level textures, menu screens and character sprites using Adobe Photoshop
- Actively fixed errors and glitches based on user feedback

Automation Using Scripts**October 2013 – December 2013**

- Programmed scripts in AutoIT to automate human behaviour inside of computer games

Vex Robotics**September 2013 – December 2014**

- Applied knowledge of physics to design robotic components such as drive shafts and lever arms
- Assisted team members build and test the performance of the robot
- Participated in a VEX robotics competition

Lego Robotics**September 2011 – November 2013**

- Assigned tasks to team members and optimized team productivity
- Assisted team members in developing a line following robot
- Participated in 3 UOIT Lego robotics competitions

Computer Troubleshooting and Assembly**June 2011 – August 2013**

- Troubleshoot and fixed several hardware, software and network issues
- Assembled several PCs for clients
- Installed the Windows operating system on various PCs

Education**Candidate for Bachelor of Applied Science, Honours Electrical Engineering****2014 – Present**

University of Waterloo, Waterloo ON

- **Courses of Interest:** Fundamentals of Programming, Digital Circuits, Embedded Systems

Attained Ontario Secondary School Diploma**2010 – 2014**

SATEC @ W.A Porter, Toronto, ON

- **Courses of Interest:** Computer Science, Computer Engineering, Computer Networks
- **Competitions:** VEX robotics, Lego robotics, Canadian Computing Competition
- **Awards:** SATEC award of academic excellence, 2011 – 2014

Emergency First Aid & CPR (AED+)**December 2013**