**SKILLS**

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| Top skills: | Python, Java, C++, MongoDB, MySQL PHP , JavaScript, HTML/CSS, MVC, Linux, Apache |
| Proficient: | RobotC, VB.NET, VPN |
| Familiar: | AutoCAD (2D), SolidWorks (3D) |

**EMPLOYMENT EXPERIENCE**

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| **ContextLogic** | *Software Engineer* | |
| Python, MongoDB, Backend, Hive | | August 2014 – Present |
| * Built a platform that allows representatives of brand names to remove counterfeit items | | |
| **ESCTT Inc.** | *Software Engineer* | |
| MySQL, PHP, VB.NET, HTML/CSS, JavaScript, Linux Server, Python, VPN | | July 2013 – April 2014 |
| * Built a **financial analysis application** that provides investment professionals with tools to conduct analysis of client portfolios. * Developed a **health care database and application** for palliative care patients. Wrote a script to transfer data from old system while maintaining data integrity. * Developed a **risk management web application** for project managers. Engineered the database, all application logic and interface. | | |

**PERSONAL PROJECTS**

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| **Remote Desktop Application** | July 2013 |
| Java, Threading   * Developed the core functionality for a remote desktop client and server applications. | |
| **Live Television Display Application** | January 2013 |
| Java   * Developed an application for Aurora High School that displays live weather, news reports and school announcements on television displays throughout the school. | |
| **Sudoku Solver Application** | October 2012 |
| Java   * Developed an application that can solve any Sudoku puzzle. Uses a modified version of the backtracking algorithm for optimal performance. | |
| **Video Game Development** | October 2009 – June 2012 |
| Java, VB.NET   * Notable projects include a Tetris game with graphics, a cribbage game with sophisticated artificial intelligence, Othello game, Guess Who game and a fractal tree generator. | |

**EDUCATION**

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| **University of Waterloo** |
| *Candidate for Bachelor of Applied Science, Mechatronics Engineering* | | September 2013 – Present |
| * Built and programmed a robot that located books on a bookshelf using colour barcodes and a binary search algorithm. [RobotC] (MTE 100, GENE 121) * Programmed a fuel-cell powered car to navigate through various obstacle courses. [C++] (MTE 100, GENE 121, CHE 102) | | |
| **Aurora High School** |
| *Ontario Secondary School Graduate, French Immersion* | | September 2009 – June 2013 |
| * Awarded Principal’s Award at graduation. * University of Waterloo Fermat Math Contest School Champion. | | |

**EXTRACURRICULAR ACTIVITES**

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| **Aurora High School Robotics Team** | | Aurora, Ontario |
| *Team Captain* | September 2009 – June 2013 | |
| * Advanced to the **2010 and 2012 Robofest World Championships**, held at the Lawrence Technological University in Detroit, Michigan. * Placed 4th in the senior game at the 2010 Robofest World Championship with a robot that cleared debris and rescued victims from a natural disaster simulation. | | |
| **Aurora High School Student Council** | | Aurora, Ontario |
| *President* | June 2011 – June 2013 | |
| * Developed leadership and management skills. | | |
| **Beijing No. 4 High School** | | Beijing, China |
| *Teaching Assistant* | July 2011 – August 2011 | |
| * Created lesson plans with an aim to improve students’ English skills. * Drastically improved communication and teamwork skills. * Learned to work effectively in a foreign and unfamiliar environment. | | |