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| Rizwan Kassamali | (905) 783 – 1478 |  |
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| [github.com/RizwanK99](https://github.com/RizwanK99) | A close up of a logo  Description automatically generated |
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| 5 National Crescent, Brampton, Ontario, L7A 1H1 |  |

# Skills

* **Java –** Over 2 years of experience with linked lists, objects, multi-dimensional arrays, graphics, decision and looping structures
* **C++** - Over 6 months of experience through a university course and enhanced by personal interest
* **Python** – 4 months of knowledge with looping structures, arrays and conditional statements
* **Circuit design and soldering** – through projects with breadboards and PCBs

# Projects

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| Encryptions | May 2019, November 2019 |
| * Created 2 different message encryptions, one in Java and one in C++ * Encryption in Java that used randomizer, conversion to hex, Caesar ciphers and concatenating ASCII values * C++ based encryption used a key given by the user to randomize the characters, then applied ASCII Armour   + Similar to RSA encryption * Created decryptions for both programs that gave back the original phrase. | |
| Website | December 2019 – Present |
| * Created a personal webpage to showcase projects and experience * Coded using HTML and CSS via Angular framework * <rizwank99.github.io> | |
| **Joystick** | December 2017 - January 2018 |
| * Created a joystick that could be used as input to a computer via the parallel port * Created a maze and tic-tac-toe games that used the joystick to control the movement | |
| **Escape the Room** | May 2017 - June 2017 |
| * Created an escape the room style game, where the user had to use clues to solve the puzzle * The game had two different * Used variety of looping structures and conditional statements | |

# Experience

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| The Great Canadian Bagel | June 2018 – August 2019 |
| * Took ownership to create muffin, Danish and croissant platters for up to 20 school orders * Prepared specialized orders for customers, including custom sandwiches and drinks | |
| **AV Team President** | September 2018 – June 2019 |
| * Helped teachers with hardware issues in the classroom and software problems with digital classrooms and complicated programs * Set up lights, audio, video and cameras for assemblies and ensured there were no complications | |

# Education

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| Candidate for B.A.Sc. in Computer Engineering – University of Waterloo | Sept. 2019 – Present |
| * Relevant Courses: Fundamentals of Programming (C++), Linear Circuits & Digital Circuits and Systems * Received Presidents Scholarship for average above 90% | |

# Interests

Technology | Design | Hockey | Space Exploration | Music