

# Sadman Kazi

1A Software Engineering

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## Summary of Qualifications

- Knowledge of programming in C++, C, Java, and C#, proven through various side projects
- Strong proficiency in documenting while developing programs
- Knowledge of building basic web pages using HTML and CSS
- Demonstrated ability to lead and work with teams through many student clubs as well as community volunteering
- Notable verbal and written communication skills

## Volunteer Experience

- **Thorncliffe Soccer Club (May 2012 - June 2013)**
  - ✓ Coached children from age 5 up to teenagers aged 18 about the basics of passing, shooting and dribbling with the ball.
  - ✓ Helped set up the field and equipment before the start of each session and cleaned up at the end.
  - ✓ Moderated the club's league website and Facebook page.
- **Music Program (10 / 2011 - 04 / 2013)**
  - ✓ Served as the leader of the volunteers in charge of teaching kids how to play guitar.
  - ✓ Worked alongside teachers from University of Toronto and helped this program become an achievement for my community.
  - ✓ Played a leading role during our performances in different community events.
- **Seniors and Computers (11 / 2011 - 08 / 2012)**
  - ✓ Taught seniors everything starting from turning on the computer to the basics of web browsing, watching videos, checking emails, and Skyping.
  - ✓ Successfully hurdled the challenges that came with the fact that they did not understand technology and this was a completely new concept for them.
  - ✓ Taught up to three seniors at the same time despite the other volunteers teaching one to one.

# Education

## University of Waterloo

Waterloo, ON

2014 – 2019 (expected)

**Candidate for Bachelor of Software Engineering, Cooperative Program**

### Relevant Courses:

- ✓ Introduction to Methods of Software Engineering
- ✓ Programming Principles

## Marc Garneau Collegiate Institute

Toronto, ON

2011 - 2014

**Ontario Secondary School Diploma**

### Activities and Societies:

- Founder and President of Eureka-Physics Club (2013-2014)
- Vice President of Table Tennis Club (2012-2014)
- President of Guitar Club (2013-2014)
- Vice President of Muslim Students Association (2013-2014)
- Member of Computer Science Club (2013-2014), World Vision Club (2012-2013), Spirit Committee (2013-2014) and Youth 4 Truth Club (2013-2014)

### Relevant Courses:

- ✓ Introduction to Computer Science Grade 10
- ✓ Introduction to Computer Science Grade 11
- ✓ Introduction to Computer Science Grade 12

### Relevant Projects:

- **Pokémon Amethyst** (Introduction to Computer Science Grade 12, June 2014):
  - ✓ In charge of the back end, game logic, game play elements and most of the graphical elements in the game
  - ✓ Used Git for collaborative work flow with two other partners
  - ✓ Programmed more than ten different Java classes
  - ✓ Developed a fully functional role playing game, based off the popular game/cartoon series franchise Pokémon
- **Poker game** (Introduction to Computer Science Grade 11, June 2013):
  - ✓ In charge of the back end and game logic of the game
  - ✓ Developed fairly complex algorithms that could check and categorize the poker rank of the different hands in the game.
  - ✓ Wrote a program later to test my algorithms on each of the rank checkers by checking one billion different hands and comparing the probability with the theoretical probability of each hand, the results proved my algorithm to be accurate.

## **Skills and Activities**

- **3D Android Game - Eclipse**(Personal Side Project):
  - Was in charge of the entire development part of the game, including but not limited to: back end, front end, scripting, texturing, scene set up, and lighting.
  - Used unity3d as the game engine and C# for the scripting of the game objects.
- **Unity3d**
  - Used it to develop an Android game
  - Knowledge about texturing, lighting, scripting, scenes, and basic animations
- **Web design: HTML and CSS**
  - Built multiple basic websites using these languages
  - Voluntarily moderated a community soccer league website
- **Version control systems:** Git (GitHub and Bitbucket)

## **Honors & Awards**

- Galois Math Contest Gold Standard (Top 4%), April 2012. Hosted by University of Waterloo.
- 1st place in Math Olympiad at Muslim Inter Scholastic Tournament (MIST) Toronto 2014.
- President's Scholarship of Distinction, University of Waterloo, Waterloo, ON, August 2014 (for high school admission average)
- 3rd place in Science Fair at MIST Toronto 2013.
- Subject Awards (June 2014, given to the student who got the highest mark in the respective subjects):
  - Grade 12 Calculus and Vector Award
  - Grade 12 Data Management Award

## **References.**

Ms. Andreea Patrascu  
Teacher, Marc Garneau CI  
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Mr. Curtis Nash  
Youth Coordinator, Thorncliffe Neighbourhood Office  
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