Mustaqeem Khowaja

1B Software Engineering • University of Waterloo

Local Address:	(647) 761-9760	**Permanent Address:**
305-300 Keats Way	mustaqeem.khowaja@uwaterloo.ca	14 Lillian Crescent
Waterloo, ON. N2L 6E6	github.com/MKhowaja	Brampton, ON. L6R 3P9

TECHNICAL SKILLS

- C, C++, C#, Java, .NET, Python, HTML/CSS/JavaScript, Unix
- Visual Studios, Eclipse, Dreamweaver, IDLE, Codeblocks, Android API, Git, Microsoft Office, Adobe Creative Suite
- Experience with Object-Oriented Programming Style, MVVM and MVC Design Patterns and Serialization
- Windows, Mac, Ubuntu, Command Line

PROJECTS

Matrix Tools   Dec 2013 – Jan 2014
- Front-End Developer for Android Application written in Java/XML
- Performs mathematical operations on user-created matrices
- Designed the GUI and implemented serialization allowing users to save matrices

Scribbler S2 Robot Project   Oct 2013 – Dec 2013
- Used Python, Myro Library
- Implemented path-finding algorithm that uses trigonometry to minimize distance to a user-determined destination
- Incorporated object detection, allows the Scribbler robot to navigate around obstacles on its way to its destination.

BCQueue   Jul 2013 – Aug 2013
- Open-Source WPF Application using C#, XAML for use by Badminton Clubs Worldwide
- Designed to help badminton clubs manage their courts and players
- Designed GUI, create profile view, court management algorithms and serialization
- Used data-binding and MVVM design patterns

Triangle Solver   Mar 2013 – Apr 2013
- Used Java Swing API and implemented object oriented programming principles
- Designed GUI and developed efficient triangle solving algorithm
- User inputs some known values for a triangle and program solves the rest of the values
- Documented entire software development process

EDUCATION

University of Waterloo, Waterloo, ON   Sept 2013 – Present
- Completed first study term with 85% average
- Relevant Coursework: Introduction to the Methods of Software Engineering, Programming Principles

Harold M Brathwaite Secondary School, Brampton, ON   Sept 2009 – Jun 2013
- Graduated with highest overall average (96.75%) in Grade 12
- Relevant Coursework: Computer Science in Grade 11 and Grade 12

WORK EXPERIENCE

Camp Leader at City of Brampton   Jul 2012 – Aug 2012
- Received training in Customer Service from the City of Brampton
- Planned and executed sport activities for the participants of the camp
- Responsible for managing a group of participants (6-9 years of age)
- Involved in missing child and first aid procedures

VOLUNTEER EXPERIENCE

Environment Club   Sept 2009 – Jun 2013
Executive Member (Since Sept 2011)
- Planned activities to promote environmental awareness and activism throughout the school
- Prepared the EcoSchools Application on behalf of the school
- Awarded Silver Certification on June 2012 from Ontario EcoSchools and received $5000 grant
- Club involved over 60 members and 10 staff members from the school

Senior Volunteer at Aga Khan Volunteer Corps   Mar 2007 – Present
Executive Member (Since Sept 2011)
- Volunteer for over 100 hours every year
- Aid in the organization of events involving over 3000 people at large venues

AWARDS

- Received President's Scholarship of Distinction from University of Waterloo
- Received I-STAR scholarship award for Student of the Year, Math, Science and Technology, and Leadership and Community Service.
- Received Lieutenant Governor General's Award for Community Service
- Received Award for highest mark in all 8 Grade 12 courses