

# Hashma Shahid

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## education:

**Mount Holyoke College (MHC) - B.A. Computer Science, B.A. International Relations**  
**GPA:** 3.6/4.0, **CS GPA:** 3.7/4.0

**Expected Graduation:** 2017

**relevant coursework:** Object-Oriented Programming, Advanced Object-Oriented Prog., Data Structures, Computing Systems, Symbolic Logic, Discrete Mathematics, Information Retrieval (Independent Study), Search Technologies for Data Science, Operating Systems, Algorithms

## languages:

English fluent, Urdu/Hindi fluent, Punjabi fluent, French limited

## website:

<http://www.hashmashahid.me>

## projects:

**Twitter Countries' Sentiment Analysis:** Used the Twitter API to stream and perform sentiment analysis on data using the Python NLTK library, to understand the correlation b/w popular sentiment about countries and relevant media coverage. Continued the project in Apache Hadoop for Spring 2016.

**Co-Founder and Developer (musqeeto.com):** A web based start-up to find, rate and review events and conferences. Currently in development using Ruby on Rails, Bootstrap and SQLite.

**Jorge's Trading Post (jorgestradingpost.herokuapp.com):** An e-commerce website for Mount Holyoke students to buy and sell things on campus. Developed the back-end using Ruby on Rails and SQLite, and the front-end using Bootstrap.

**s.a.f.e. (Android app):** Co-developed an Android app that places emergency calls via a wearable. Used Java for the back-end and utilized an ESP8266 Wi-Fi module for the wearable component.

**Hack4Humanity (Google Headquarters, New York):** Co-developed an iOS app in Adobe Air using Actionscript to prevent domestic violence and assault.

**Interactive Hallways for Interaction and Retention in Technology:** Co-developed interactive programs using Flash and C# for projection in hallways. Applications respond to touch and motion, emulating a touch screen.

## experience:

**MaGE Mentor** 2015 - present  
*Megas and Gigas Program, MHC (funded by Google):*  
• Mentor students in Computer Science by working with them 1-1.  
• Conduct code reviews of their assignments.

**Code Camper** 2016  
*Square College Code Camp, Square*  
• 1 of 20 women selected from a pool of over 500 applicants to spend time at Square's Headquarters and participate in a series of leadership and tech workshops.

**Teacher's Assistant** 2015  
*CS101, Computer Science Department, MHC*  
• Helped Object Oriented Programming students with assignments in Unity and Java.

**Internet Engineering Intern** 2015  
*MasterCard, St. Louis*  
• Developed a web application with CherryPy in Python and SQLite to track status of load balancer pools and determine safety level of decommissioning.  
• Co-developed a 3D visualization tool using Java in J2EE that allows users to view the number of global MasterCard transactions and network events.

**Speaking, Arguing and Writing Mentor**  
*Weissman Center for Leadership, MHC* 2015 - present  
• Work with students in 1-1 sessions to develop written and spoken communication skills.

## volunteer work:

**Teacher** 2014  
*Social Responsibility Program, Lahore University of Management Sciences*  
• Organized summer school activities such as public-speaking, drama and fine arts for middle and high school girls.

**Tutor** 2013 - 2014  
*C.A.U.S.E., Mount Holyoke College*  
• Helped children with middle and high school coursework.

## technical skills:

Java, ActionScript, HTML/CSS, Python, SQL, Ruby, C, Bootstrap, CherryPy, Ruby on Rails, SQLite, AWS, Hadoop, Swift

## leadership/public speaking:

**Co-Founder and Co-Chair** 2015 - 2016:  
*Girls in Tech Conference (GIT), Mount Holyoke College*  
• A tech conference geared towards highschool girls featuring lightning talks, mentorship and programming workshops.

**Founder** 2015 - present:  
*Technology Workshops (Pilot), Lahore, Pakistan*  
• Ran a basic hardware workshop (pilot program) for 20 children from an underfunded school in Pakistan to spark an interest in sustainable technology.

**Co-Executive and Web Developer** 2014 - 2015  
*Five College Model United Nations Conference*  
• Managed a Secretariat of eight people and all logistical aspects for the nationally recognized conference attended by 100+ students.

**Vice-President** 2014 - 2015  
*Model United Nations Club, Mount Holyoke College*  
• Helped implement structural changes in training to improve our team's national ranking to **21 from 75**.  
• Represented the college at conferences and won several awards in recognition for diplomacy and public speaking.

**Public Relations and Web Developer** 2014  
*C.A.U.S.E.*  
• Responsible for managing publicity for the community service organization including web properties and social media  
• **Project Coordinator Liaison** for two projects to facilitate communication with the executive board.

## awards:

**2015 GHC Scholar** 2015  
*Grace Hopper Celebration of Women in Computing (GHC)*  
• 1 of the 26 percent of 1900 applicants awarded the GHC Scholarship Grant to attend this year's Grace Hopper Celebration.

**Finalist** 2015  
*Grinspoon Entrepreneurial Concept Award, Harold Grinspoon Foundation*  
• For displaying entrepreneurial spirit and initiating an original business venture for "musqeeto."

**2nd Place Winner** 2016  
*Mount Holyoke College Annual Pitch Competition*  
• Awarded \$500 for pitching my business venture, "musqeeto".