

# Hashma Shahid

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## languages:

English fluent  
Urdu/Hindi fluent  
Punjabi fluent  
French limited

## technical skills:

### proficient:

Java  
ActionScript  
HTML  
CSS

### familiar:

Python  
SQL  
Ruby  
C

### frameworks:

Bootstrap  
CherryPy  
Ruby on Rails  
Jinja2  
SQLite

### operating systems:

UNIX

## relevant coursework:

Object-Oriented Programming  
Advanced Object-Oriented Prog.  
Data Structures  
Computing Systems  
Symbolic Logic  
Discrete Mathematics

### In process:

Search Technologies for Data Science  
Operating Systems  
Practice and Applications of  
Data Management

## website:

<http://www.hashmashahid.me>

## education:

**B.A. Computer Science, B.A. International Relations**

Mount Holyoke College

**GPA:** 3.6/4.0, **CS GPA:** 3.8/4.0

**Expected Graduation:** 2017

## projects:

2015 - present

**Co-Founder and Developer, musqeeto.com**

- A web based start-up that allows users to find, rate and review events and conferences
- Currently in development using Ruby on Rails, Bootstrap and SQLite

2015

**s.a.f.e., Android app**

- Co-developed an Android app that allows users to place emergency calls using a wearable
- Used Java for the back-end and utilized an ESP8266 Wi-Fi module for the wearable component

2014

**Hack4Humanity Google Headquarters, New York**

- Co-developed an iOS app in Adobe Air using Actionscript to prevent domestic violence and assault

2014

**Interactive Hallways for Interaction and Retention in Technology**

- Co-developed interactive programs using Flash and C# to be projected in hallways
- Applications respond to touch and motion as if driven by a touch screen

## experience:

2015

**Internet Engineering Intern, 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, operational visualization tool using Java in J2EE that allows users to view the number of global MasterCard transactions and network events
- Actively competed in weekly Toastmasters meetings

2015 - present

**Teacher's Assistant, CS101, Computer Science Department, Mount Holyoke College**

- Help Object Oriented Programming students with assignments in Unity and Java

2015 - present

**Speaking, Arguing and Writing Mentor, Weissman Center for Leadership**

- Work with students in one-on-one sessions to develop written and spoken communication skills

## leadership/public speaking:

2015 - present

**Founder, Technology Workshops (Pilot), Lahore, Pakistan**

- Ran a basic hardware workshop (pilot program) for 20 children from low-income backgrounds in Pakistan to spark innovation, creativity and an interest in sustainable technology

2015 - present

**Co-Founder and Chair, Girls in Tech Conference (GIT), Mount Holyoke College**

- Planning a tech conference (Spring 2016) geared towards highschool girls to create an interest in technology through lightning talks, mentorship and programming workshops

2014 - 2015

**Co-Executive and Web Developer, 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
- Developed the conference website from scratch

2014 - 2015

**Vice-President, 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

2014

**Public Relations and Web Developer, C.A.U.S.E.**

- Responsible for managing the 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

## volunteer work:

2014

**Teacher, Social Responsibility Program, Lahore University of Management Sciences**

- Organized summer school activities such as public-speaking, drama and fine arts for girls

2013 - 2014

**Tutor, C.A.U.S.E., Mount Holyoke College**

- Helped children with middle and high school coursework

## awards:

2015

**2015 GHC Scholar, Grace Hopper Celebration of Women in Computing (GHC)**

- One of the 26 percent of 1900 applicants awarded the GHC Scholarship Grant to attend this year's Grace Hopper Celebration

2015

**Participant, Square College Code Camp, Square**

- 1 of 20 women selected from a pool of over 1000 applicants to spend time at Square's Headquarters in January 2016 to learn more about tech and programming

2015

**Finalist, Grinspoon Entrepreneurial Concept Award, Harold Grinspoon Foundation**

- For displaying entrepreneurial spirit and initiating an original business venture for "musqeeto"