

# HASANAIN JAMAL

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## EDUCATION

### University of Arizona

May 2016

B.S. in Computer Science, double major in Mathematics

Computer Science GPA: 3.60 Overall GPA: 2.73

## PROGRAMMING EXPERIENCE

**Languages** Java, JavaScript, Python, C

**APIs & Tools** JSON, REST, Git

## EXPERIENCE

### Software Engineering Intern

June - August 2015

*American Express*

*Phoenix, AZ*

- Designed and implemented an analytics system using Splunk
- Designed a proof of concept widget with AngularJS and NodeJS
- Used agile development methodologies and customer focused user stories in all projects

### Technology Consultant, Small Business

March - December 2013

*Mural*

*Tucson, AZ*

- Provided IT consultations for SMBs and assisted in setup of DNS, mail servers, website migrations
- Promoted to a level 2 consultant within 6 months of hire
- Wrote training documents and led workshops for other consultants

## TEACHING EXPERIENCE

### Section Leader, Object Oriented Programming and Design

January - May 2015, 2016

*University of Arizona*

*Tucson, AZ*

- Taught section of 25 students on OOP topics, parallel programming concepts, distributed version control (git), and 2D animation. All topics were covered in Java
- Planned weekly section activities for all 6 Section Leaders
- Managed final project teams for 4 teams. Projects were 6 weeks long and had teams of 4

### Undergraduate Teaching Assistant, Web Programming

August - December 2015

*University of Arizona*

*Tucson, AZ*

- Designed lectures, assignments, and course plans for a full LAMP stack web programming course.
- Lectured on Security, High Order Functions, CSS, and other web related topics

### Undergraduate Teaching Assistant, Mathematics in Modern Society

August - December 2014

*University of Arizona*

*Tucson, AZ*

- Lectured on Graph theoretic topics and the mathematics of voting systems
- Tutored lower level math students in multi variable calculus and linear algebra

## ACTIVITIES

3rd place in the Rocky Mountain regional ACM programming competition in 2015

Attended the Google Developer Conference (I/O) for 2013

Volunteer, teaching pre-calculus and Algebra 2 to high school students since August 2014

Arabic Language Partner with Project Global Officers (GO)