

HASANAIN JAMAL

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EDUCATION

University of Arizona

August 2016

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

Computer Science GPA: 3.4 Overall GPA: 2.76

PROGRAMMING EXPERIENCE

Languages JavaScript, Java, Python, SQL (DB2)

Frameworks & Tools React, Redux, Node, Spring

EXPERIENCE

Software Engineer

August 2016 - present

American Express

Phoenix, AZ

- Working as a full stack developer on multiple applications that impact millions of corporate customers on a daily basis
- Developing applications in IBM DB2, Java with Spring, Javascript with jQuery
- writing SQL queries to retrieve and test data from multiple tables
- wrote ETL scripts to get and send data from multiple systems
- Made an internal tool, to help teams gain access to data, with React components for the UI and Spring Boot for the RESTful API
- automated processes in American Express for testing and deploying SQL stored procedure code

Software Engineering Intern

June - August 2015

American Express

Phoenix, AZ

- Designed and implemented a completely new analytics system and dashboards using Splunk
- Created an interactive financial summary widget to visualize customer's transaction over a period of time with AngularJS
- Used agile development methodologies and customer focused user stories in all projects

TA EXPERIENCE

Section Leader, Object Oriented Programming and Design

January - May 2015, 2016

University of Arizona

Tucson, AZ

- Taught section of 25 students on OOP and design patterns 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

ACTIVITIES

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

Volunteer, teaching pre-calculus and Algebra 2 to high school students from August 2014 to may 2015

Arabic Language Partner with Project Global Officers (GO)