Bahman Hayat

LinkedIn://bahman-hayat   GitHub://bahmanh

Education

Bachelor of Science in **Computer Science**   San Diego, CA
San Diego State University   August 2013 – May 2017
GPA: 3.7

Experience

IBM Research   San Jose, CA
Research Summer Intern   Summer 2015
- Modernized a datacenter by developing an inventory tracking system in Java to account for thousands of assets using JDBC, IBM DB2 and REST APIs.
- Created a full front to back-end service in HTML, JavaScript and PHP to analyze gigabytes of logs to automate IBM security standards compliance verification.
- Reduced log analysis time in bash by 90%, from 25 minutes to 2 minutes.

San Diego State University   San Diego, CA
Assistant to the Housing System Administrator   August 2014 - Present
- Develop automated solutions for time consuming manual tasks.
- Write and update applications to bring improvements or adapt to new requirements.
- Planned and set up a digital signage system using Raspberry Pis that are controlled centrally.
- Implemented an item checkout system with Google Apps in JavaScript that notifies users to return items via email.

White Square Media, Inc.   Mountain View, CA
Independent Contractor   Summer 2014
- Bug & Security Identification.
- Remote Application Improvement/Fix.
- Fixed critical errors on Internet Information Services using URL rewrite.

Skills

Languages
- **Proficient:** Java, C, and HTML+CSS
- **Experience with:** JavaScript, Python, PHP, and Bash.

Others: Git, Linux, REST APIs, SQL. Fluent in English, Urdu, Hindi, Farsi, & Pashto.

Projects

Auto Flight Check-in - Python   January 2016
Created a utility to check users into Southwest flights automatically ensuring that they get the first boarding group.
Developed in Python using Selenium, argparse, and PhantomJS.

Dictionary - Java   November 2014
Developed a Dictionary ADT that is implemented in four ways:

- **Binary Search Tree**   • **Ordered Array**
- **HashTable with chaining**   • **Red / Black Tree**

The Dictionary uses files from The Internet Dictionary Project in txt format. It can return definitions or words. They can be added to the dictionary too using any of the implementations.

Crypto - Java   May 2013
The program Crypto encrypts and decrypts text using an integer key. Encrypted text can be used to send secret messages that can only be decrypted with the program using the original key. Apart from encryption the program can also produce QR codes.

Honors & Leadership

Microsoft Security Researcher Acknowledgment   October 2013
AT&T Bug Bounty Program Hall of Fame   August 2013
Listed on both for finding and reporting security vulnerabilities.

Alpha Lambda Mu Fraternity – SDSU   August 2014 - Present
Founding President