Yusuf Musleh

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EDUCATION Carnegie Mellon University, Pittsburgh, PA

B.Sc. in Computer Science

2012 - 2016

QUALIFICATIONS Programming Languages: C/C++, Java, Python, Hadoop, Assembly

SUMMARY

Web Development: Django, NodeJS, Bootstrap, HTML5, JavaScript, CSS, LESS, AJAX, JSON

Platforms: Windows, Mac, Linux

· Minor in Business Administration

Related Courses: Distributed Systems, Web Application Development, Embedded Systems

Languages: English, Arabic

WORK

Metis Labs

EXPERIENCE Software Engineering Intern May 2016 - Present

A web based start up that provides an interactive planner for undergraduates to plan their upcoming semesters.

- Developed interfaces to make the application scalable across universities
- · Wrote web-crawling scripts to gather course catalog and schedule information
- Developed a means to populate the database based on the latest data fetched

PROJECTS

State of Mind, Collaborative Brainstorming Platform

Jan 2016

- Developed in 24 hours in the Carnegie Apps Hackathon 2016
- · Web Application built with python Django
- · Developed the Input text/image/doodle functionality
- Wrote interaction between back-end and front-end using AJAX
- · Coded data processing and API function calls in back-end

K-Means MapReduce, Hadoop implementation of K-Means

Dec 2015

- · Implemented K-Means algorithm for data-points and DNA strands using Hadoop MapReduce
- Performed comparative analysis for large data sets (20M 40M points/strands)
- · Compared Hadoop implementation performance to Sequential and MPI implementations

FileStAck, Distributed File System

Sep – Nov 2015

- · Distributed File System developed in Java
- · Developed the RMI, to handle communication between Clients, the Naming Server and Storage Servers
- Coded Synchronization functionality using locking mechanisms and mutexes
- · Wrote Replication functionality to spread load over servers and create backups in case of failures

Majlis, A Middle Eastern Reddit

Back-End/Front-End Web Developer

May - Aug 2015

- Bilingual Web Application built with python Django (back-end) and Bootstrap (front-end)
- · Wrote the interaction between the front-end and back-end using AJAX
- · Developed the Moderator User functionalities similar to that of Reddit
- · Coded the functionality and styling of JS forms, and handled requests, data and errors

OTHER WORK

Carnegie Mellon University

EXPERIENCE Researcher Jun - Aug 2014

- Recieved grant of \$4K from Student Initiated Undergraduate Research Project (SIURP)
- Built a Cross Site Scripting (XSS) benchmark to test XSS detection tools
- · Used benchmark to test reliability of current web vulnerability scanners
- Produced a report on the research that was presented in Meeting of the Minds (April 2015)

ACTIVITIES & INTERESTS

Strength Training Club, Student Club

Founder and President

Sep 2014 - May 2015

Bodybuilding and Powerlifting Technology and Gadgets