

Omar Waheed

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EDUCATION

CLARK UNIVERSITY

MAJOR: COMPUTER SCIENCE

MINOR: MATHEMATICS

CONCENTRATION: BIOINFORMATICS

Expected May 2015 | Worcester, MA

Cum. GPA: 3.34

Deans List '11, '12, '14

Scholarship (\$32,000/Year)

ROOTS SCHOOL SYSTEM

CAMBRIDGE UNIVERSITY O/A LEVEL

2011 | Islamabad, Pakistan

Full-tuition Scholarship

Cum. GPA: 3.99 / 4.0

LINKS

Github:// [omarwaheed2](#)

LinkedIn:// [pub/omar-waheed/61/7a3/593](#)

COURSEWORK

Data Structures & Algorithms

Database Management & Design

Computer Vision

Artificial Intelligence

Analysis of Programming Language

Operating Systems

Assembly Language

Automata Theory

Probability & Statistics

SKILLS

PROGRAMMING

Over 5000 lines:

- Java
- Python
- HTML
- CSS
- JavaScript
- Perl
- C++
- bash

Over 1000 lines:

- JQuery
- SQL
- C
- PHP

Familiar:

- R
- Assembly
- AJAX
- XML
- Git
- OpenCV

LIBRARIES/Frameworks

- Flask
- Servlet 3.0
- Apache PdfBox

OPERATING SYSTEM

- Windows
- Linux
- Android

TOOLS

- Eclipse
- Visual Studio
- Git
- Sublime Text
- Perforce
- Office Suite

WORK EXPERIENCE

FACTSET RESEARCH SYSTEMS INC | SOFTWARE ENGINEER II

July 2015 - Present | Norwalk, CT

- Heavily involved in the Market data team that deals with real time market news provided by various vendors and accessed by clients around the globe
- Work in a highly distributed Linux-based environment, managing high volume loads of upto 4 million requests per day using Apache, Nginx, Perl, PdfLib and a combination of other tools
- Developed Python Flask based micro-services on Factset's cloud platform while working on the regionalization project. This directly resulted in a big influx of clients from Asia, Europe and Australia
- Developed Java and Python based web services using servlet 3.0 and Flask framework for our document re-distributor project. As a result, Factset has started distributing its research to third party vendors, thus increasing it's Annual profits significantly
- Developed a web-app containing tools and documentation of the team's product. This included creating automated installs, documentation, testing tools, real-time process monitoring, package manager and a code review tracker

ONE THE BRAND | SOFTWARE DEVELOPMENT INTERN

June 2013 - August 2013 | Islamabad, Pakistan

- Enhanced website functionality and usability by optimizing backend scripts
- Led a team of 3 students on a project that won the internship hackathon
- Implemented new features on the storefront using JQuery, HTML & CSS

SIDE-PROJECTS

JONOONDB | WEBSITE

January 2017 - Present | Worcester, MA

- Designed and created a website using modern web technologies (JS, HTML, bootstrap) with google analytics for monitoring audience and usage
- Developed a prototype for a responsive and reusable side-bar floating menu

PAPER DRUMS | COMPUTER VISION PROJECT

September 2014 - December 2014 | Worcester, MA

- Developed a music generation program, which is triggered by color tracking
- Implemented in C++, using color tracking algorithms & functions from OpenCV

CAMPUS INVOLVEMENT

CLARK CS CLUB (ACM) Co-FOUNDER & SECRETARY

November 2013 - 2015 | Worcester, MA

- Founded the club to provide targeted tutorials in latest CS technologies and mentoring 50+ student members

CLARK DEPT. OF CS TEACHING ASSISTANT

September 2013 - December 2013 | Worcester, MA

- Conducted study sessions and administered weekly labs to help 25+ students with homework, projects and key computer science concepts

AWARDS

2014 Clark University computer programming contest

2011 High Achiever Award by Prime Minister of Pakistan