Mohammad Daraghmeh

Citizenship: American/Jordanian

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Contact Information

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Objective: Seeking a Summer/Fall Co-Op in the field of Computer Engineering | **Availability**: May through August

Education/Language

Sept. 2011 – 2016 (In Pursuit) *College Education*	**Rochester Institute of Technology** – Rochester, NY Degree: Bachelor of Science **Major**: Computer Engineering
Dec. 2009 – June 2010 *College Education*	**New Jersey Institute of Technology** – Newark, NJ Program: Continuing Professional Education Course: **iOS** Application Development (CEUs: 3)
Languages	English (Native and Fluent) Arabic (Native) Spanish (Basic)

Relevant Courses

Circuits I & 2	2013-14 Fall Quarter
Digital Systems Design	2012-13 Summer Quarter
Hardware Description Languages	2012-13 Spring Quarter
Assembly Language Programming	2012-13 Fall Quarter
Object-Oriented Programming	2012-13 Summer Quarter
Data Structures For Problem Solving	2011-12 Winter Quarter
Problem-Based Intro CS	2011-12 Fall Quarter
Calculus Sequence (A,B,C), Differential Equations, Probability and Statistics I	2011-14

Key Skills

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

Operating System	Microsoft XP, 7, and 10		Macintosh OSX 10.4-10.10		Adobe CS6 Suite (*Focus*: Photoshop/Dreamweaver)	
Software	Autodesk Inventor & Revit Architecture	Bentley MicroStation	Microsoft Visual Basic/Studio	Eclipse	MathWorks Matlab	Quartus II
Languages	JavaScript/ CoffeeScript	CSS,HTML,XML ,MySQL & PHP	Python Objective C	Java	HCS12 Assembly	VHDL/ Verilog
Hardware	Digital Multimeter	Function Generator	Tektronix Oscilloscope		Altera Board HCS12	

Project/Labs

Digital Systems Project	Four week VHDL based project in creating, simulating, and synthesizing a behavioral model of a vending machine
OOP Project (Java)	Two week Java based project designed in the way of a model-view-controller (GUI/Engine) for the classical game *Battleship*
Intro Digital Systems Lab	Various digital logic circuits were created and analyzed for the adaption to an Altera hardware board, HCS12
Hardware Description Lab (VHDL)	The design and simulation of three image processing algorithms in VHDL (Contrast increase/decrease, Stretching and Median filtering)
Problem-Based Intro Cs Project (Python)	Ten week Python based project for creating an artificial intelligence to play the classical game *Quoridor*

For an In-Depth view of my projects and skills, visit my personal portfolio at
http://daraghmehdigital.com

Work Experience

References available upon request
Availability: End of Spring Semester (End of May)

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Web Developer ~ Freelancer	2008 – Current

I have acquired over the years, an arsenal of particular set of skills; skills that have allowed me to acquire independent freelancing projects. Projects varying from implanting a template based site to complete custom websites to web apps.

Responsibility: Creation/Implementation of website, Hosting, Maintenance of content/design, Database/User Interface, Clone/Migration and more.

Online Portfolio: http://daraghmehdigital.com

GitHub Repo: http://github.com/Daraghmeh

IDI Billing Solutions ~ Software/Quality Assurance Engineer	June 2015 – Current

I wear a few hats at my latest co-op with the two mainly being a software engineer and quality assurance engineer. As a software engineer, I was tasked to create a complete server interface dashboard (Hal0). As a quality assurance engineer, I was given the lead role for developing and implementing QA processes for multiple projects/platforms primarily web services.

Responsibility: Self-Educating on Various Languages (PowerShell, C#, and much more), Meeting Deadlines and Assisting team members. Writing/Maintaining test plans and test cases, creating databases and environments, Writing/Executing automation test script of CostGuard (client/server based).

Rochester Institute of Technology ~ Web Developer/Master	August 2014 – June 2015

Employed as the sole manager for the design (front-end/back-end), implementation, and documentation for RIT's Simone Center. This job is a high privilege as the Simone Center is RIT's prized gem and for good reason since the center is viewed as a national leader in innovation and entrepreneurship.

Responsibility: Managing and Maintaining the website's functionality, databases, and uptime, Marketing of the website on various platforms, and Performing administrative work.

EnerNoc ~ Software Engineer Intern	January 2014 – July 2014

My assignment was to become part of the Advance Technology Division. The main purpose was to perform hardware and software R&D hence my work on various projects such as PowerTalk (Real-time XMPP communication for any smart meter device) and online public use of PowerTalk through Play Framework.

Responsibility: Maintaining GitHub Repositories, Self-Educating on Various Languages (JavaScript/ CoffeeScript, Scala, XMPP, and much more), Meeting Deadlines, Attending Meetings, and Assisting team members.

Rochester Institute of Technology ~ Social Media Analyst	February 2013 – Current

The task of building an engaged online community for the department of Finance & Administration via new and existing media/technology in order to build brand awareness. As of 2015, this community has grown to 3,000+ users.

Responsibility: Create and schedule social media platforms, Assist in the research, development, and implementation of real-time media and its frontline, Manage and reinforce relationships with other branches; Monitor, analyze, and review effective benchmarks for growth of community.