

# MOHAMMAD DARAGHMEH

CITIZENSHIP: AMERICAN

## Employment

### IDI Billing Solutions

Rochester, NY

Software/Quality Assurance Engineer Intern

Jun '15 to Dec '15

- SE: Tasked with creating a complete server interface dashboard (Hal0).
- QAE: Lead role for developing and implementing QA processes for multiple projects/platforms primarily web services.
- Self-educating on various languages (Powershell, C#, and more)
- Writing/Executing/Maintaining automation test script for CostGuard (Client/Server Based)

### Daraghmeh Digital

Freelance Web Developer

2010 to 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 implementing a template based site to complete custom websites to web apps.
- Creation/implementation of website, hosting, maintenance of content/database/design, user interface, clone/migration and more.

### Rochester Institute of Technology

Rochester, NY

Web Developer/Master

Aug '14 to Jun '15

- Employed as the sole manager for the design (front-end/back-end), implementation, and documentation for RIT's Simone Center.
- This is a high privilege as the Simone Center is RIT's prized gem.
- Managing and maintaining the website's functionality, databases, uptime, and marketing of the website on various platforms.

### EnerNoc

Boston, MA

Software Engineer Intern

Jan '14 to Jul '14

- Performed hardware and software R&D on various projects such as PowerTalk (Real-time XMPP communication) for various smart meter devices.
- Online implementations of PowerTalk via Play Framework/Scala/Java.
- Maintaining GitHub repositories, self-educating on various languages (JavaScript/CoffeeScript, Scala, XMPP, and more)

## Projects

### Digital Systems Project

Four week **VHDL** based project in creating, simulating, and synthesizing a behavioral model of a vending machine.

### Hardware Description Lab

The design and simulation of three image processing algorithms in **VHDL** (Contrast increase/decrease, Stretching and Median filtering).

### Intro to Software Engineering Project

A three week **Python Django** infused based project with the purpose of enabling neighbors in a community to be able to share items of common use. That was later enhanced and published online as an independent learning project.

### Problem-Based Intro to CS Project

Ten week **Python** based project for creating an artificial intelligence to play the classical game Quoridor.

### Object Oriented Programming Project

Two week **Java** based project designed in the way of a model-view-controller (GUI/Engine) for the classical game Battleship.

## Contact

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📍 Daraghmeh

## Education

2017

### Rochester Institute of Technology

Bachelor of Science  
Computer Engineering

2010

### New Jersey Institute of Technology

Continuing Professional  
Education  
iOS Application Development

## Activities / Awards

Oct  
2015

### Tiger Tank (Global Event)

Similar to Shark Tank but with a RIT twist. My winning entry **FlickShare**, aims to bring back that feeling of togetherness when watching media.

Apr  
2015

### BrickHack

Winner of Bose SoundTouch API Challenge, winning entry **SMSHuffle**.

Sept  
2013 to  
Current

### RIT MSA (Muslim Student Association)

Vice-President/Director of IT

Jan  
2013 to  
Current

### Barakah Muslim Charity

Event Coordinator/Web Master/  
Volunteer

Jan  
2013 to  
Current

### Foodlink

Volunteer

## Skills

### HARDWARE

Altera Board  
HCS12  
Digital Multimeter  
Function Generator  
Tektronix Oscilloscope

### LANGUAGES

CSS  
HCS12 Assembly  
HTML5  
Java  
JavaScript  
MySQL  
Objective C  
PHP  
Python  
VHDL/Verilog  
XML

### SOFTWARE

Autodesk Inventor  
Autodesk Revit  
MicroStation  
Eclipse  
Matlab  
Visual Studio  
Quartus II