# MOHAMMAD DARAGHMEH

CITIZENSHIP: AMERICAN

# **Employment**

#### **IDI Billing Solutions**

Software/Quality Assurance Engineer Intern

Rochester, NY Jun 2015 to Dec 2015

- 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)

### Rochester Institute of Technology

Web Developer/Master/Social Media Analyst

Rochester, NY Aug 2014 to Current

- Employed as the sole developer of front-end/back-end implementation for both RIT's Simone Center and RIT's F&A Project, RIT Behind the Bricks.
- Building an engaged online community with unique self created content.
- Managing and maintaining the databases, functionality, security, and uptime of various online platforms.

#### **EnerNoc**

Software Engineer Intern

Boston, MA Jan 2014 to Jul 2014

- 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 (Play Framework/Scala/Java).
- Maintaining GitHub repositories, self-educating on various languages (JavaScript/CoffeeScript, Scala, XMPP, and more)

#### 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.

# **Projects**

#### **Digital Systems**

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**

A three week Python Diango 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

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

#### **Object Oriented Programming**

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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# Education

2017 Rochester Institute of Technology

Bachelor of Science Computer Engineering

2011 Academies @ Englewood

Highschool Pre-Engineering

2010 New Jersey Institute of Technology

Continuing Professional Education iOS Application Development

## Activities / Awards

Oct TigerTank (Global Event) 2015

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 BrickHack 2015

2015 Winner of Bose SoundTouch API

Challenge, winning entry SMShuffle

Sep **RIT Muslim Student** 2013 to **Association** 

2016 Vice-President/Director of IT

**Barakah Charity/Foodlink** Jan 2013 to **Event Coordinator/Web** 2016

Master/Volunteer

# Skills

### **HARDWARE**

Altera Board HCS12

Digital Multimeter

**Function** Generator

Tektronix

#### **LANGUAGES**

Python

Java

HCS12 Assembly

HTML5 Oscilloscope

# C/Objective C

VHDL/Verilog

CSS JavaScript

XML MySQL PHP

#### **SOFTWARE**

Autodesk

Inventor/Revit Eclipse/PyCharm

Keil Matlab

MicroStation

**PSpice** 

Ouartus

Visual Studio