Highlights

|  |  |
| --- | --- |
| • Objective-C | • MapKit |
| • iOS | • Cocoa/Cocoa Touch |
| • SpriteKit | • HTML/CSS |
| • C# | • MySQL |
| • Unity 5 | • JSP |
| • Java | • PHP |

# Experience

## iOS Developer for Grytek June 2015- June 2016

* Developed three apps
* Restaurant app in Objective-C
* 2D game in Objective-C SpriteKit
* 3D Art Museum app in C# with Unity 5

## A Wider Circle March 2015, March-April 2016

* A Wider Circle provides free furniture to families in need
* Carried furniture from donor vehicles to warehouse to client’s vehicles
* 70 hours of volunteering time

## National High School Game Academy @ Carnegie Mellon University June-August, 2015

* Spent six weeks on campus of CMU learning game development principles and techniques including Unity programming (C#), 2D art, 3D modeling, sound design, and game design
* Developed two complete games with two 5-person teams
* Served as team producer for both projects

## Howard University Pre-College for Engineering Systems (PCES) summer program June-July, 2014

* Studied electrical engineering and related aspect of calculus, physics, and chemistry for four weeks while staying on campus at Howard University
* Lead team of 6 to complete “Intelligent Load Control” project and project presentation
* Won award for best project presentation
* Earned $300

# Accomplishments

* Graduated Magna Cum Laude 2016
* Eagle Scout 2016
* Bishop McNamara High School Computer Science Department Award 2016
* Inducted to National Honor Society 2015
* Inducted to Mu Alpha Theta Math Honor Society 2015
* Peer Minister of Bishop McNamara High School (Spiritual Leadership program) 2015
* American Regions Mathematic League High Teams Honors in Division B national competition 2015
* Herndon Family Art Scholarship 2015
* Xerox Award for Innovation and Information Technology 2015
* First Lego League Robot Design Award 2012
* Black Belt in Tang-Soo-Do 2011

# Education

### Cumulative GPA: 3.86

## Carnegie Mellon University (Beginning in the Fall) 2016-2020

B.S. of Computer Science

## Bishop McNamara High School 2014-2016

## The Academy of Health Sciences @ PGCC 2012-2014

# Activities and Programs

### UMD Pre-College Scholars Program Grade 10

* Engineering and SAT prep program twice a month for about 6 months

## First Technology Challenge Grade 10

* Robotics competition

## High School Computer Competition Washington, D.C. team Grade 7-9

* Years of training in HTML, CSS, JavaScript, PHP, MySQL, JSTL, and jQuery
* Several fully functioning team website projects completed each year

## First Lego League Grade 8

* Team won Robot Design Award at Regional level
* Team advanced to State and won 3rd place in innovation

### Other

* Rubik’s cube competition team (7th and 9th)
* Track (10th)
* Hei Dong Gum Do (10th-present)
* *Korean Sword Art – Blue Belt*
* Tang Soo Do (up to 7th)
* *Korean Martial Art – Black Belt*