**Kevin Farley**

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**kmfarley11.github.io** *(type/ view in browser)*

**Education**

Class of 2017 **Bachelor of Science: Computer Engineering**

University of Cincinnati, Cincinnati, OH

College of Engineering and Applied Science

**G.P.A:** 3.501 / 4.0

**Skills**

* Main Languages/ SDKs: .NET/ C++/ Java/ Bash
* Frameworks/ libraries: Qt/ knockout.js/ backbone.js/ jQuery/ angular.js/ PyGame
* Supplemental Languages/ SDKs: Python/ Matlab/ Android/ C/ Arduino/ Verilog/ Golang
* IDEs: Visual Studio/ Eclipse/ Codeblocks/ Arduino/ Qt Creator
* OS: various Windows systems/ various RedHat and Debian based Linux systems
* Other Software: B2Spice/ Autodesk Inventor/ Multisim/ NX10/ Teamcenter
* Tools: Git/ Mercurial/ basic FPGA (Verilog)/ Arduino/ Bread boarding/ Oscilloscope/ Signal Generators
* Other: Machining/ Soldering/ Basic woodworking with power tools

**Technical Experience**

2016 *Software Engineer Co-op* **Developer and Engineer for Shadow Unmanned Aircraft Vehicle**

Textron Systems Unmanned Systems, Baltimore, MD

* Responsible for developing and integrating software solutions relative to Red Hat Linux and Windows 7
* Worked with C++ (Qt), batch, bash, bitbake, PowerShell, and python for various programs and scripts to be deployed on the Air Vehicle or Human Machine Interface
* Used Mercurial for version control and QTest for unit testing, as well as Spira Test, Jenkins, DOORS, and Matrix for various Software Engineering practices

2015 *Software Engineer Co-op* **Consultant and Developer for Software Solutions**

Rippe & Kingston, Cincinnati, OH

* Responsible for developing and estimating software solutions in the form of web applications
* Worked with C#, html 5, CSS3, and JavaScript for ASP .NET MVC4 web applications
* Used Git (BitBucket) for version control and NUnit for unit testing, as well as knockout, backbone, and jQuery to structure various site behavior and content

2015 *Personal Programming Project* **Manage,****Design, and Develop Retro Video Game**

Revolution Uc (hackathon), Cincinnati, OH

* Managed and developed a fully functional retro-style game with one other team member
* Worked with python (Pygame) and git (Github for version control)
* The project is named PyGameProject2015 and is viewable both on my github account (kmfarley11) and at <http://challengepost.com/software/pygameproject2015>

2015 *Computer Engineering Student* **Hardware Designer of Sequential and Pipelined Control Units**

University of Cincinnati, Cincinnati, OH

* Responsible for designing and implementing a sequential control unit through the use of logisim
* Also responsible for collaborating on a design for a pipelined control unit using dynamic branch prediction
* Worked with logisim and Microsoft Word to report designs and findings respectively

2015 *Software Engineering Student* **Project Management of Eclipse Plugin**

University of Cincinnati, Cincinnati, OH

* Responsible for maintaining and developing source code and managing the team’s Git repository
* Also responsible for keeping members on-task and timely in development
* Worked with mainly Java in Eclipse: Juno to manufacture and maintain an Eclipse Plug-in

2014-2015 *Software Engineer Co-op* **Product Engineering in Teamcenter Integration**

Siemens PLM Software, Milford, OH

* Responsible for creating, editing, and running automated tests and utilities for 3D Modeling Software
* Worked with mainly C++, with a little bit of visual basic and C
* Also looked into/ looked for bugs in UI as well as auto-tests which needed to be reported and fixed

2013-2014 *Personal Programming Project* **Design and Publish Android App**

* App’s name: WhatToDo?? (available for free on google app market)
* Designed to take user input on activities you may wish to do
* Outputs a random suggestion from stored possibilities (the objective is to simplify any decision process)

2011-2012 *Engineering Student/ Project Manager* **Electrical Guitar Design and Manufacturing**

Centerville High School, Centerville, OH

* Responsible for designing guitar body in auto-cad as well as researching possible designs
* Collaborated on a guitar template system that resulted in effective use of time and manufacturing
* Manufactured the body of an electrical guitar through the use of power tools such as a router
* Fixed, soldered, and completely connected the internal electrical circuits for audio output

2011- 2012 *Engineering Student/ Project Manager* **Robot Design and Battle Competition**

Centerville High School, Centerville, OH

* Responsible for making sure the team met the work schedule and was prepared for competition
* Designed and enhanced a Robot that would battle others through a remote control

**Activities/Awards**

University of Cincinnati:

* Dean’s List 1st, 2nd, 4th, 5th, and 6th semesters in Computer Engineering
* National Society of Collegiate Scholars
* ACM, Revolution UC (hackathon)

High School:

* Eagle Scout of Boy Scout Troop 316 Centerville, OH
* National Honors Society member
* Centerville Jazz (Marching) Band, Centerville Winter Drumline, and Jazz Band

**Other Work Experience**

2013 **Menards Garden Center Team Member**

Menards, 8480 Springboro Pike, Miamisburg, OH 45342

2012 **Papa John’s Delivery Driver**

Papa Johns, West Franklin Street, Centerville, OH 45459