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/ Golang
- Frameworks/ libraries: Qt/ knockout.js/ backbone.js/ jQuery/ angular.js/ PyGame
- Supplemental Languages/ SDKs: Python/ Batch/ Powershell/ Matlab/ Android/ C/ Arduino/
- IDEs: Visual Studio 2009-13/ Eclipse/ Codeblocks/ Arduino/ Qt Creator
- OS: Windows 8/ 7/ XP, various RedHat based linux systems, and various Debian based linux systems
- Other Software: B2Spice/ Autodesk Inventor/ Multisim/ NX10/ Teamcenter
- Tools: Git/ Mercurial/ basic FPGA (Verilog)/ Arduino/ Breadboarding/ 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++, 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 create ~60 and ~40 page reports 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 objective 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