

Kevin Farley

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

10033 Settlement House Road

Centerville, OH 45458

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 10/8/7/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/ 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 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