

# Kevin Farley

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[kmfarley11.github.io](https://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
- 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 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> 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