

# Jayson Perkins

Software Engineer - 614 824 9049  
jaysonperkins.com - jaysonperkins51@gmail.com

B.S. Computer Science and Engineering  
The Ohio State University  
2012 -2016

---

## PROJECTS

**AIR ENGINE** | Embedded | Arduino, Encoders, Signal Filtering | OSU

- Worked with colleagues to build a single cylinder engine
- Co-constructed engine running at 2800 RPM with 80 PSI input

**CONVERSION DASHBOARD** | Local App. | C#, SQL, MySQL | SIS

- Co-wrote SQL scripts that converted databases
- Produced tool to optimize by automatically running scripts

**RETIRESENSE** | Web App. | Java, JSP, VBA, SVN, HTTP | Nationwide

- Implemented first application update in 6+ years
- Generated new features for application based on client requests

**ALTER** | Puzzle Game | C#, Unity, Adobe CS, GitHub | Portfolio

- Designed sprites and object to be used in the game
- Programmed scripts in C# to control the game

**PI-ORDER** | Embedded/Web App | Raspberry Pi, Python, NodeJS | Portfolio

- Developed code to control RPi hardware and communicate with server
- Wrote HTTP server and web automation used to order Amazon products

**COMPASS RISK REDUCTION STUDY** | Web App. | NodeJS, DLLs, C, C++ | Harris

- Tested capability of a NodeJS web app. to leverage shared libraries
- Determined architecture for application and created demos

**FALCON III RADIO** | Embedded | C, C++, Embedded Linux | Harris

- Updated requirements tests for the MUOS waveform
- Explored and corrected bugs listed in trouble reports

---

## EXPERIENCE

**SOFTWARE ENGINEER** | Harris Corp | June '16 - Present

- Diagnosed and fixed bugs for the MUOS waveform on tactical radios
- Performed study for converting a local Windows app. to a web app.

**SOFTWARE INTERN** | Nationwide | Sept. '14 - May '16

- Cooperated with my team to find and correct bugs
- Updated application regularly with new features

**TECHNICAL INTERN** | Strategic Insurance Software (SIS) | May '14 - July '14

- Converted databases for insurance software using C# and SQL
- Managed databases using SQL

**RESEARCH LAB ASSISTANT** | Ohio State M.E. Dept. | Feb. '13 - Apr. '14

- Designed and fabricated electromechanical devices
  - Programmed and tested systems for research professors
-