Jayson Perkins

Software Engineer - 614 824 9049
jperk51.github.io/resume - jaysonperkins51@gmail.com

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

PROJECTS

AIR ENGINE | Embedded | Arduino, Encoders, Signal Filtering

- 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

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

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

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

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

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

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

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

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

- 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++

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

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