Jayson Perkins

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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 functionality demos

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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, C++ 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, fabricated, and programmed electromechanical devices

EDUCATION

BACHELOR OF SCIENCE: Computer Science and Engineering

Ohio State University '12 – '16

The BS CSE program (through the College of Engineering) offers students a general education in engineering, physical sciences, and mathematics, along with intensive study in computer science.