Ryan Christopher DeYong

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I'm a student at the University of Cincinnati studying Computer Engineering. I'm capable of understanding hardware and software requirements and working with a team to achieve a viable solution. I'm very passionate about programming and hardware design and looking forward to becoming a more knowledgeable Computer Engineer by working on real-world problems.

Experience

Regal Beloit Corp.
Fall 2017 - Spring 2018
Electical Engineering COOP

- Worked on embedded real-time operating systems
- Wrote Windows drivers and software to interface with low-level hardware devices
- SMD and through-hole soldering
- Worked on circuit design and optimizations for circuitry
- Invented technologies that were patented

C C++ IAR STM32 SOLDERING RTOS PERL5

Worldpay
Summer 2018 - Summer 2019 (ongoing)
Software Engineering COOP

- Worked with SQL and C#.net on development of financial systems
- Developed software with a team using the Agile software development model
- Created and demonstrated a prototype of a new technology to use in merchant processing
- Mentored other COOP students to teach them how to develop software for the prototype

C#.NET MVC ASP.NET SQL ORACLE SQL

Skills

C++
4+ years
Intermediate
Embedded development at first COOP and general development in free time.

C
4+ years
Intermediate
Heavy C use at first COOP, also used C for personal projects with EFM8 Busybee and Arduino.

PERL 5
2+ years
Intermediate
I used PERL 5 in a lot of reverse engineering work, and on my first COOP for build automation.

C#
3+ years
Intermediate
C# on second COOP for more permenant prototyping of software systems for handling merchants.

Unix
4+ years
Intermediate
Unix for personal projects and for testing of work related projects using packages such as Valgrind.

VBA
1+ years
Beginner
VBA for interfacing with certain hardware devices that had a limited or non-existant UI.

Education

University of Cincinnati
April 2021
Bachelors in Computer Engineering
3.2 GPA

Westshore Career Technical District
2014 - 2016
Networking/Cisco Training Program
4.0 GPA

Bay High School
2012 - 2016
High School Diploma
3.6 GPA

Location: Cincinnati, OH, USA
Willing to relocate for COOP terms
Next COOP term: Fall Semester 2019