

# Ryan Christopher DeYong



<https://www.ryancdeyong.us>



<https://github.com/PerthGoat>



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I studied Computer Engineering at the University of Cincinnati. Throughout my work experience so far, I've been able to understand hardware and software requirements, and in addition collaborate with a team to achieve a viable end product. I'm passionate about lower level development and looking for mentally stimulating work.

## Experience

### Regal Beloit Corp.

Fall 2017 - Spring 2018

#### Electrical 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 NFC circuit design and optimizations for circuitry
- Invented technologies that were patented

I<sup>2</sup>C C++ IAR STM32 SOLDERING RTOS PERL5

### FIS

Summer 2018 - Summer 2020

#### Software Engineering COOP

- Worked with SQL, DB2, 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 help them better understand C# and JavaScript
- Worked directly with project stakeholders on deciding the direction of various projects

C#.NET ASP.NET SQL IBM DB2 Bootstrap JavaScript

## Skills

### Radio/RF work

4+ years

#### Frequent use

Executive of UC Amateur Radio Club (N8XZZ). RF/antenna circuit design for UC + Regal

### Reverse Engineering

4+ years

#### Frequent use

Worked with Ghidra, GDB, ollydbg. Python + Ruby + C for exploitation of enterprise systems

## Education

### Circuit Design + CAD

4+ years

#### Some use

Used CAD tools for building projects; circuit design for Regal, UCARC, personal projects, VHDL

### Linux

5+ years

#### Everyday use

System administration, web server hosting, tool familiarity (gparted, cat, ls, rm ...), direct frame-buffer writing

### GAN + CNN

2+ years

#### Some use

Custom PyTorch to create Generative Adversarial + Convolutional Networks

### HTML/CSS/JavaScript

5+ years

#### Frequent use

Developed libraries and LL(1) parser for FIS; various projects for my website + Typescript w/ recent ECMAScript standards

### University of Cincinnati

April 2021

Bachelors of Science in Computer Engineering

3.4 GPA

### Westshore Career Technical District

2014 - 2016

Networking/Cisco Training Program

4.0 GPA

Location: Avon, OH, USA  
Relocation preferred