Ryan Christopher DeYong
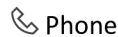
🌐 Website
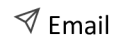https://www.ryancdeyong.us

🖥 GitHub
https://github.com/PerthGoat

📞 Phone
+14408478142

✈ Email
administrator@ryancdeyong.us

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

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

Skills

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

Radio/RF work
4+ years
Frequent use
Executive of UC Amateur Radio Club (N8XZZ). RF/antenna circuit design for UC + Regal

Circuit Design + CAD Tools
4+ years
Some use
Used CAD tools for building projects; circuit design for Regal, UCARC, personal projects

GAN + CNN
2+ years
Some use
Custom PyTorch to create Generative Adversarial + Convolutional Networks

Reverse Engineering
4+ years
Frequent use
Worked with Ghidra, GDB, ollydbg. Python + Ruby + C for exploitation of enterprise systems

Linux
5+ years
Everyday use
System administration, web server hosting, tool familiarity (gparted, cat, ls, rm ...), direct frame-buffer writing

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

Education

University of Cincinnati
April 2021
Bachelors 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