Lucas Ball

EDUCATION

Oregon State University - Ongoing
Master of Science in Computer Science (Cyber Security Focus)

Oregon State University - 2022
Bachelor of Science in Computer Science (Cyber Security Focus)

EXPERIENCE

OPEnS Lab at Oregon State University — Project Lead / Programmer

November 2020 - January 2022 Oregon State University, OR

- Utilized Arduino project boards to create environmental sensing devices
- Used GitHub to organize project management and collaborate to solve software problems on research projects
- Collaborated with project team to solve Hardware/software development problems resulting in the deployment of multiple environmental research projects
- Programmed Ethernet, Cellular, and WiFi network configurations alongside HTTP/SSL communication.
- Configured long distance hardware communications such as LoRa, nRF and Freewave Radio

Orenco Systems Inc. — Electrical Engineering Intern

June - September (2017, 2018, 2019) Sutherlin, OR

- Designed and printed circuit boards using Altium PCB design software
- Successfully developed and implemented a device to test circuit boards for quality control and manufacturing defects
- Designed digital logic programs for custom products.

Orenco Systems Inc. — Information Technology Intern

June - September (2015, 2016) Sutherlin, OR

- Used integrated software to conduct data entry for products in order for the IT team to track devices
- Tested in-production web pages for quality control and software bugs
- Maintained IT hardware by cleaning and repairing parts

ACHIEVEMENTS

- NSA Codebreaker challenge high performer (2021)
- Finalist - Defcon CTF 2022
- 1st place - Pacific Rim Collegiate Cyber Defense Competition (2022)
- 3rd place - Collegiate Penetration Testing Competition West (2022)
- 5th place - National Collegiate Cyber Defense Competition (2022)

PERSONAL INFO

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www.linkedin.com/in/lucasballr
Portfolio:
https://lucasball.com

SKILLS

C++

C

Python

HTML

CSS

Javascript

SQL

Linux

GDB

x86/64 Assembly

Arduino

Github

VMware

Ghidra

Reverse Engineering

Exploit Development

Network Design