

Jeremy Laratro

516-512-1463 | jeremylaratro@gmail.com | jeremylaratro.link | [jeremylaratro](https://www.linkedin.com/company/jeremylaratro) | [jeremylaratro](https://www.instagram.com/jeremylaratro)

Summary

Over the years, I've cultivated a rich background in diverse areas of technology from software to hardware. My projects serve both practical and educational purposes, and I always take a solution-focused approach to everything I do. By leveraging my skills, discipline, and passion, I'm excited to being a reliable, trustworthy, and proficient addition to any team.

Certifications

OSCP (Offsec), Security+ (CompTIA), Intro To Cyber Security (TryHackMe)

Work Experience

WeMeta LLC

Tampa, FL

ELECTRONIC HARDWARE REPAIR & IT SOLUTIONS

Nov. 2021 - Nov. 2022

- General IT troubleshooting, complex hardware/PCB troubleshooting (with multimeter, oscilloscope, signal generator, etc), fundamental security integration (software and hardware), soldering, and more (see LinkedIn).

Education

University of South Florida

Bachelor's of Science, Biology

- Calculus I, Physics I and II, Statistics, Trigonometry, Pre-Calculus
- My undergraduate degree provided a solid foundation in core STEM topics such as mathematics, physics, scientific writing/reporting, and analysis. These concepts are directly relevant to any STEM field, including cybersecurity, and this foundation has allowed me to succeed in my further computer science studies.

Projects and Accomplishments

Securicoder.com

Apr. 2023 - Present (WIP)

- Incorporated ML/LMMS into a security-oriented project using ChatGPT API to produce a comprehensive static code analysis report covering main vulnerabilities; built using Django framework and deployed with Linode cloud server.

Technology Blog / Portfolio Site

2020 - Present

- Built a portfolio website (jeremylaratro.link) with Github pages and Ruby/Rails to showcase my personal and academic projects, along with my cybersecurity, software development, hardware development projects.

Machine Selector - Python

Feb. 2023 - Mar. 2023

- Developed a python script that takes a list of CTF machine names, then uses weighting based on difficulty to select either a hard or normal-level machine.

Capture the Flag

Jul. 2021 - Present

- Experienced CTF participant in various online platforms including Proving Grounds, TryHackMe, HackTheBox, picoCTF, Microcorruption, and OWASP Juice Shop, and recently participated in an in-person CTF at BSIDES. Successfully rooted over 100 virtual lab machines.

Bash Automation Scripts

Dec. 2022 - March. 2023

- Created an efficient script for OSCP lab penetration tests, including initial enumeration and discovery tools with multi-function capability and searchsploit functionality by grepping nmap results for known vulnerabilities.

PhotoSec - Python

Aug. 2022 - Nov. 2022

- Created a python program to minimize exposure of dangerous metadata in online photos by removing metadata and GPS data, bulk renaming, and image analysis. Also utilized project to learn about file encoding and python packaging.

CLI Interface for STOUT

Jul. 2022 - Aug. 2022

- Created a CLI interface for STOUT – a machine-learning platform that translates organic chemistry naming formats (SMILES to IUPAC and IUPAC to SMILES).

GPS Speedometer - Arduino (C++)

Aug. 2022 - Sep. 2022

- Created a GPS speedometer for a small boat I purchased using Arduino and the GPS library. Designed a PCB in KiCAD then used home-built CNC machine to mill the copperclad PCB, then soldered components.

Skills

- Proficient in Python and bash, with a solid understanding of object-oriented programming concepts and data structures.
- Familiarity with Java and C++ programming languages and ability to learn new technologies quickly.
- Experience with version control systems such as Git and knowledge of software development best practices such as Agile/Scrum methodologies.
- Ability to write efficient, modular, and well-documented code, and to debug and troubleshoot issues.
- Strong problem-solving skills and ability to work collaboratively with other developers and cross-functional teams.
- Understanding of application security concepts such as authentication, authorization, encryption, and secure coding practices, and ability to apply them to software development projects.
- Familiarity with common software vulnerabilities such as SQL injection, cross-site scripting (XSS), and buffer overflow, and ability to implement security controls to mitigate these risks.