

Pedro Urbina

pedro.urbina@gmail.com

(305) 458-3967

github.com/terraflux

pedrourbina.com

@peddrrrooooo

EDUCATION

CORE Technical Program, Denver CO

SecureSet Academy 2018

Classroom based cybersecurity training

- Network, Systems Security
- Governance, Risk, and Compliance
- Detection, Logs, and Analysis
- Cryptography

University of Miami, Coral Gables FL

Bachelor of Science in Computer Science (In Progress)

Relevant Courses

- Computer Organization and Architecture
- Systems Programming
- Data Structures and Algorithms
- Networks

Bloc, San Francisco CA

April 2014 - April 2017

Full Stack Web Development Track

- Back end fundamentals developed through a project portfolio built on Ruby on Rails
- Front end foundations built on Angular projects.

Software Engineering Principles Track

- Data Structures, Algorithms & Complexity Analysis, Database Management

EXPERIENCE

Freelance Web Development

May 2015 - Current

Developed and maintained websites, managed client expectations and implementations.

- ForwardITSolutions.net
- ElHappyCoach.com
- Wvum.org

SDSol Technologies

March 2014 - June 2014

Arduino Programming for MyPark Project

- Analyzed circuitry for power consumption optimization.
- Collaborated with existing development team to implement GSM and Bluetooth integration.

SKILLS

Languages: English, Spanish, Python, Java, Javascript, Ruby, BASH, Powershell, Go, SQL, C/++, HTML, CSS
Software: nMap, Metasploit, Burp, Radare2, LogRhythm, Snort, GNU Radio, Cutter, ETE3, Pandas, Kali, Windows, MacOS, Ubuntu/GNOME, CentOS
Architectures: Material Angular, Ruby on Rails, LAMP
Interests: Reverse Engineering, Malware Analysis, Penetration Testing, Machine Learning, Ethereum, DSP, Multicopters, Skateboarding, Luthiery

ACCOMPLISHMENTS

Certified Ethical Hacker (EC-Council)

Security+ (CompTIA)

FCC Certified Amateur Radio Technician(KM4ZHU)

SecureSet Hunter-Wolf Award (Most Technical)

ACTIVITIES

SecureSet CTF Event Participant and Volunteer

DEFCON24 + 26 Attendee

BSides Denver 2018 Attendee

ShellHacks2017 Attendee

SNOWFROC 2018 Attendee

RMISC 2018 Attendee

Webmaster - WVUM 90.5FM (Summer-Winter 2017)

Secretary - Institute of Electrical and Electronics Engineers (IEEE)

Secretary - Association for Computing Machinery(ACM)

Drafted proposal for ARISS Contact Event for Students for the Exploration and Development of Space

Contributed to Sandsifter Tests (@xoreaxeaxeax)

PROJECTS

Slides

- Initial Access Tactics in Modern Malware
- Collatz Trees with ETE3
- Von Neumann and Non-Von Neumann Architectures

OSCP Preparation

- VulnHub Boxes (Kioptrix, Pinky's, SickOs, Trollcave, Haste, Bulldog, Covfefe)
- Violent Python

Radare2 & Assembly

- SGDE & SLAE in progress
- Ethereum Smart Contract Auditing (EVM)
- Practical Malware Analysis (Sikorski & Honig)
- Crackmes.one

GNU Radio and BladeRF

- Digital Signal Processing Exploration
- GPS Spoofing, GSM Interception, Wifi Injections
- GRC Python Block Development

Amazon Alexa App Developer

- Math Facts
- Angular Trivia
- Clone Quest

Totem (Anonymous Wifi-Served Bulletin Board)

- Developed a native wifi served anonymous forum
- Miami Make Week Pitch Competition Finalist
- A digital bulletin board for information dissemination and community integration

