

Christofer Piedra

Palm Bay, FL | 954.328.2944 | christoferpiedra2001@gmail.com
linkedin.com/in/christofer-piedra | github.com/c-hristofer | christoferpiedra.com

SKILLS

Programming Languages: Python, Java, JavaScript, HTML5, CSS, SQL, C++, C

Frameworks & Tools: Git, Jupyter Notebook, TensorFlow, Pandas, NumPy, Node.js, Ubuntu, Zeek, InfluxDB, Kali Linux, Database Management (Firebase)

Electronic Instrumentation: Embedded Systems (MSP430, Arduino, Raspberry Pi), 3D Printing, Laser Cutting, Oscilloscope

EXPERIENCE

College of Engineering and Computer Science, FAU

Graduate Course Teaching Assistant

August 2024 – Present

- Established curriculum to teach network communication protocols and network efficiency in a 6000-level course
- Developed 5 projects using Python-based scripting, Wireshark, Zeek, TensorFlow, and PuTTY to reinforce concepts being taught to students
- Taught 187 students how to identify and analyze network traffic using FAU Tecore Lab's server-based testbed

Tecore Research Lab, FAU

Undergraduate Research Fellow

May 2024 – July 2024

- Identified, analyzed, and categorized network traffic using Zeek and multiple Linux-based machines
- Designed and implemented a security-focused testbed with a user interface utilizing InfluxDB
- Presented research findings to a Department of Defense representative to secure ongoing project funding

College of Engineering and Computer Science, FAU

Engineering Lab Assistant

January 2023 – July 2024

- Successfully maintained and managed multiple laboratory environments, ensuring operation and accessibility for academic use
- Acquired and demonstrated strong technical skills in debugging, soldering, and equipment repair
- Fabricated equipment for lab kits with laser cutters and 3D printers
- Led the assembly and distribution of lab kits for engineering courses, significantly enhancing the hands-on learning experience for students
- Provided comprehensive technical support to students, ensuring timely resolution of issues

Tecore Research Lab, FAU

Tecore Networks Lab Assistant

August 2022 – August 2023

- Conducted research funded by the Department of Defense, focusing on cryptography, wireless sensor networking, mobile computing, and networking
- Advanced secure communication within network environments through analyzing research
- Specialized in vehicular networks and body nets, while supporting the development of relevant platforms

EDUCATION

Bachelor of Science, Computer Science, Florida Atlantic University

December 2025

Relevant Coursework: Data Structures and Algorithms, Advanced Algorithms, Stochastic Models, Python Programming, Calculus 2, Microprocessors, Computer Operating Systems, Data Mining and Machine Learning

Bachelor of Business Administration, Management, Florida Atlantic University

December 2025

Relevant Coursework: Statistics, Supervisory Skills, Management Information Systems, Leadership, Macroeconomics, Microeconomics, Financial Management, Financial Accounting, and Managerial Accounting