

# Christofer Piedra

Palm Bay, FL | 954.328.2944 | christoferpiedra2001@gmail.com

<https://linkedin.com/in/christofer-piedra> | <https://github.com/c-hristofer> | christoferpiedra.web.app

## 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 – December 2024*

- 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 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