Luis Perez Cipollitti

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EDUCATION

BARRY UNIVERSITY – Miami, USA *Jan 2021 - May 2023 (expected)*

- Bachelor's in Computer Science, Specialization in Data Analysis **- Minor**: Business - **Cumulative GPA**: **4.0**

- **Honors:** Barry University's Presidential list and Dean's List

SUMMARY OF QUALIFICATIONS

Technical: Python, Java, SQL, HTML, CSS, XML, Linux (Kali & Ubuntu), Power BI, Excel, Microsoft Office.

Knowledge: Computer Science, Math, Statistics, Networks, Finance, Economics, Data Analysis, Graph Theory, Boolean algebra, Data Structures and Algorithms, Machine Learning.

Platforms: Power BI, Android Studios, Jupyter Notebook, Net Beans, Logisim, Bloomberg, Wireshark, Aircrack-ng, FactSet, Morningstar, Servlet (Tomcat), Anaconda, Google Cloud Console, MySQL, Eclipse, Visual Studio, GitHub.

Skills: Quick Learner, problem-solving, experience managing people, attention to detail, customer service experience, adaptability.

BACKGROUND

STUDENT MANAGED INVESTMENT FUND (SMIF) – Barry University, Miami, Florida.
Chief Financial Officer *Sept 2022 – Present*

- Responsible for managing a 7 digits fund part of Barry University's endowment fund.
- Using python for data analysis and process automatization through a bot.
- Evaluate assets using fundamental analysis and tools such as Bloomberg terminal and FactSet.
- Manage a team to conduct financial research and create elaborated performance reports.
- Oversee and report Risk and Return performance of the fund's portfolio to the University's Investment Committee.
- As a result of the changes proposed, the fund outperformed the Benchmark (S&P 500 & others) by 500 bps in Q3.

BARRY UNIVERSITY – Miami, Florida
Teacher Assistant for Physics *Sept 2022 – Present*

- Tutor students in Physics 201 & 202 (Electromagnetism, AC/DC circuits, kinetics, energy, momentum, etc.).

PROJECTS

FINANCIAL BOT ASSISTANT FOR SMIF, Barry's Student Managed Investment Fund *Spring 2022*

- **Objective**: To create a python bot accessible through Discord that assists in recurring data-related tasks.
- **Result**: A bot connected to Net Advantage and Yahoo's APIs that monitors stop-loss and target prices, creates metrics and performance reports for our assets, and tracks considerable negative price movements filtered by an algorithm.
- **Tools**: Python, Pandas, Google Cloud Console, APIs (Yahoo, NetAdvantage, Discord, Google Drive)

DESIGN CONSIDERATIONS FOR A CPU CONFIGURATION USING A HARDWIRED CONTROL UNIT *2022*

- **Objective**: To create a chip design using only logic gates able to fetch, decode, and execute programs stored as binary instructions (opcode) in Ram.
- **Result**: A chip design that can do logic & mathematical operations: for loops, while loops, if statements, jump, load, store, halt, and more.
- **Tools**: Logisim Emulator, Boolean algebra
- Winner of Barry University's Science Symposium 2022

VIRTUAL COLLEGE MAP APPLICATION *2022*

- **Objective**: To create an interactive mobile app that allows students to navigate through campus.
- **Result**: An app developed in Android Studio, using Java, that is connected to Google Maps' API. Offering an interactive map where users can search for buildings and services offered on campus.
- **Tools**: Android Studio, Java, XML, Google Maps' API
- Winner of Barry University's Science Symposium 2022

USING 802.11 PROBE REQUESTS TO MONITOR TRAFFIC OF PEOPLE *2022*

- **Objective**: To measure the traffic of people in a public area just by the Wi-Fi capabilities of their phones.
- **Result**: An antenna configuration on monitor mode able to capture the probe requests (protocol) broadcasted by mobile devices with Wi-Fi turned on.
- **Tools**: Wireshark, Aircrack-ng, Kali Linux, Python, 802.11 standards, Alfa wireless adapter.