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EXPERIENCE

STUDENT MANAGED INVESTMENT FUND (SMIF) – Barry University, Miami, Florida.

Chief Financial Officer

Jun 2022 – Present

- Perform as the CFO for SMIF, a fund responsible for a part of Barry University's endowment fund.
- Manage people 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.
- Other roles: Using python for data analysis and to automate processes through a bot.
- Evaluate assets using fundamental analysis and tools such as Bloomberg terminal and FactSet.

BARRY UNIVERSITY – Miami, Florida

Teacher Assistant for Physics

Fall semester 2022 – Present

- Tutor students in Physics 201 for 10 hours a week.

EDUCATION

BARRY UNIVERSITY – Miami, USA

May 2023 (expected)

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

PROJECTS

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

Spring 2022

Objective: A Python bot for Discord connected to Net Advantage and Yahoo's APIs that assists in recurring tasks.

- **Result:** Monitoring stop-loss and target prices, creating metrics and performance reports for assets, and tracking 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:** Create a chip design using only logic gates able to fetch, decode, and execute simple programs stored as binary instructions (opcode) in Ram.
- **Result:** The design can do logic & mathematical operations, for loops, while loops, if statements, etc.
- **Tools:** Logisim Evolution Emulator, Boolean algebra
- Winner of Barry University's Science Symposium 2022

VIRTUAL COLLEGE MAP APPLICATION

2022

- **Objective:** An interactive mobile app that allows students to navigate through campus.
- **Result:** An app connected to Google Maps' API, allowing 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 (Ongoing)

- **Objective:** Measure hourly traffic of people in a public area just by the probe requests broadcasted by personal devices, which is one of the first protocols used when connecting to a Wi-fi network.
- **Tools:** Wireshark, Aircrack-ng, Kali Linux, Raspberry Pi, Python, 802.11 standards, Alfa wireless adapter.

ADDITIONAL

Areas of knowledge/interest: Computer Science, Math, Statistics, Networks, Finance, Economics, Data Analysis, Boolean algebra

Technical: Python, Java, SQL, HTML/CSS, XML, Linux (Kali & Ubuntu),

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

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

Other mentions of interest: MDC Business Specialist (Title), Barry's list of the Dean (GPA >3.5), Presidential scholarship (Barry U), MDC Honor Society.