

Jorden Monroe

Boca Raton, FL | (361) 585-9305 | Jorden_monroe@yahoo.com

www.linkedin.com/in/jorden-monroe | Github: <https://github.com/monroe2193>

EDUCATION

Florida Atlantic University | Charles Schmidt College of Science

Boca Raton, FL

Bachelor of Science in Mathematics | GPA:3.8 | Magna Cum Laude

May 2023

- **Relevant Coursework:** Computational math in Python, Programming, Differential Equations for Engineers, Calculus 2 & Calculus 3, Vector Calculus, Matrix Theory, Discrete mathematics, Advanced Mathematics, Applied Statistics, Complex Analysis, Modern Analysis, Mathematical Problem Solving, Probability and Statistics, Linear Algebra, Probability and Statistics for Engineers
- **Certifications:** **Using Databases with Python:** *University of Michigan/Coursera* / **Using Python to Access Web Data:** *University of Michigan/Coursera* / **Python Data Structures:** *University of Michigan/Coursera* / **Getting Started with Python:** *University of Michigan/Coursera* / **Capstone: Retrieving, Processing, and Visualizing Data:** *University of Michigan/Coursera* / **Data, Data, Everywhere:** *Google* / **Ask Questions to Make Data Driven Decisions:** *Google* / **Data Analytics (in progress):** *Google* / **Back-end Developer (in progress):** *Meta* / **Programming in Python:** *Meta*

TECHNICAL SKILLS

- **Languages:** Python, SQL, R, MATLAB
- **Web:** HTML, CSS, JavaScript
- **Software:** PyCharm, Visual Studio, Git, Github, SQLite3, Excel, Minitab, Tableau

ACADEMIC PROJECTS:

Python Capstone (*Python, Spring of 2023*)

- Implemented a simple Google PageRank algorithm and conducted spidering exercises to practice content retrieval.
- Built a suite of Python applications for data retrieval, processing, and visualization, including web scraping, parsing, and accessing data through web APIs.

Using Relational Databases for Data Mining (*Python, Fall of 2022*)

- Employed Python to store web data in various formats (HTML, XML, and JSON) in relational databases, and executed SQL queries and managed databases using the SQLite3 database browser.

Data Optimization Project Series (*Computational Math in Python, Fall of 2022*)

- Designed and developed data optimization applications utilizing Newton's method, bisection, and neural network training techniques in Python.
- Created a polynomial regression application in Python, and generated a comprehensive regression analysis project report to communicate findings.

PERSONAL PROJECTS:

Portfolio Website (*March 2023*)

- Designed and developed a fully responsive portfolio website utilizing HTML, CSS, and JavaScript to create a dynamic user interface and interactive user experience.
- Employed keyframes animations within media queries to ensure optimal performance and a seamless user experience across devices.
- Employed responsive design principles, ensuring the website is accessible on various devices and screen sizes, and maintained cross-browser compatibility for maximum reach.
- Demonstrated proficiency in front-end web development, leveraging advanced skills in HTML, CSS, and JavaScript to deliver a visually appealing, functional, and maintainable web product.
- Developed clean, organized, and well-documented code, employing best practices for optimization, maintainability, and scalability.
- Tools used: *Github, HTML, CSS, JavaScript, Visual Studios*

EXPERIENCE

Self Employed

Day Trader

2017-Current

- Used my analytical skills and mathematical knowledge to take advantage of intraday swings as well as long term volatility.
- Use of research, decision making, and prioritization skills to monitor broad economic factors and day-to-day chart patterns.

9+ years of additional unrelated work experience: Hospitality, Customer Service, Delivery. (*Provided at request*)