

# Jorden Monroe

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## 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*
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## TECHNICAL SKILLS

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

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