

George W Nakhla

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EDUCATION

Rutgers, The State University of New Jersey **Expected Graduation: May 2025**
B.S. in Computer Science, B.A in Mathematics and Statistics *GPA: 3.956*
Activities: Rutgers Road to Wall Street Cohort 13, Quantitative Finance Club, Weightlifting Club

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C, React, HTML, CSS, MySQL
Developer Tools: Git, NumPy, Pandas, Firebase, Chart.js, Excel
Certifications: Wall Street Prep Accounting, Wall Street Prep Financial Modeling

EXPERIENCE

Software Engineer Intern **May 2023 – August 2023**
Aresty Research *New Brunswick, NJ*

- Programmed Monte Carlo methods in Python to compute optimal ceilings for **20,000+** portfolios
- Developed **2** full-stack web applications using React to enable the collection of **2,000** data points
- Optimized and refactored code, leading to a **15% reduction** in Monte Carlo method runtime

Web Data Analyst **September 2020 – May 2023**
Upforce Marketing *Tampa, FL*

- Provided **10+ clients** search engine optimization services, resulting in a **400%** increase in traffic
- Conducted weekly meetings to track client progress and implement revisions across **4 platforms**
- Designed and executed A/B tests using Google Analytics, improving conversion rates by **15%**
- Redesigned the user interface and experience of 4 client websites, reducing bounce rates by **30%**

Technology Intern **June 2022 – August 2022**
Grip Tight Tools *Union, NJ*

- Identified and resolved database performance bottlenecks, enhancing query speeds by **15%**
- Refined the reordering process for **20,000** orders by integrating Python, MySQL, and QuickBooks
- Utilized Tableau to gather, format, and visualize relevant data of **7** product line competitors
- Introduced **2** Python scripts to simplify data analysis of sales and disputes across **2,000** customers

PROJECTS

The Prosperity Index | *Python, Sci-Kit Learn, Pandas, Git*

- Engineered a 2D unsupervised k-means clustering machine learning algorithm with a proprietary prosperity index to successfully identify **3** target locations for a non-profit's philanthropic expansion

One Shot Learning | *C, Python, Git*

- Employed One-Shot Machine Learning to accurately predict housing prices with **93%** accuracy
- Leveraged a Python script to quickly ingest, format and test **100,000+** FHFA JSON data points

AudioMac | *React, JavaScript, Firebase, Chart.js, Git*

- Launched a full-stack app offering verbal mental math training to simulate trading interviews
- Implemented login and data visualization features, resulting in an increase of scores by **20%**

Uski | *Python, GoogleOAuth, Firebase, Tkinter*

- Established a Spotify to YouTube playlist migrator reducing manual migration times by over **50%**

ACHIEVEMENTS

Deans List	2022-2023
Aresty Research Scholar	2023
JP Morgan Data for Good - 3rd Place	2023
Federal Reserve Competition - 7th Place	2022