

Matteo Kitic

📞 (404) 542-9342 | ✉️ matteokitic7@gmail.com | [in matteokitic](https://www.linkedin.com/in/matteokitic) | [🌐 MatteoKitic.com](https://www.MatteoKitic.com)

EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science, Machine Learning
GPA: 3.5/4.0

Atlanta, GA

Expected Graduation: May 2025

Relevant Coursework: Data Analysis w/ Python, Machine Learning for Trading, Artificial Intelligence, Statistics and Probability, Financial Modeling.

WORK EXPERIENCE

Warner Bros. Discovery

Analyst

Oct. 2022 - Aug. 2023

Atlanta, GA

- Developed dashboards for NCAA's March Madness Live mobile applications to facilitate easy data visualization and analysis.
- Collaborated with prominent sports brands such as MLB, NHL, and NBA to analyze digital ad data, contributing to eight figure revenue growth initiatives.
- Utilized data contextualization to craft compelling and persuasive insights for RFPs, enhancing proposal effectiveness and client engagement.

NASA MINDS

Software Engineer - Undergraduate Research

Nov. 2021 - Jun. 2022

Atlanta, GA

- Developed a system for NASA's Artemis program using **Python** and **OpenCV** to assess structural integrity using contactless evaluation.
- Built an interactive dashboard using **Pandas** and Dash framework to visualize data, create detailed plots, and display metrics in real-time.
- Integrated external sensors on a microcontroller board to enhance the system's capabilities for comprehensive monitoring and analysis using canny edge and feature detecting methods

PROJECTS

Profit Return Modeling | *Python, Numpy, Matplotlib*

- Created four supervised learning models to predict returns for MSCI emerging markets index
- Implemented decision tree learners, random forest learners, and bootstrap aggregation with Numpy and Python
- Used methods of statistics and probability such as **metrics and error analysis** to provide a quantitative assessment of how close predictions are to actual values

Portfolio Optimization | *Python, Numpy, Pandas, Matplotlib*

- Utilized SciPy optimization functions to maximize the **Sharpe Ratio** to find the optimal risk-adjusted return for portfolio
- Implemented metrics to assess portfolio performance, enhancing analytical capabilities.
- Conducted data analysis and applied statistical techniques to evaluate portfolio performance, demonstrating proficiency in quantitative analysis and financial modeling

Trading Bot | *Python, Numpy, Pandas, Matplotlib*

- Developed an application with a focus on enhancing trading strategies through the implementation and analysis of various indicators, including SMA, Bollinger Bands, Stochastic Oscillator, CCI, and Golden/Death Cross.
- Conducted in-depth **technical analysis** to make trading decisions and optimize performance.
- Engineered a baseline strategy to assess upper bounds of potential returns and backtested to gain insights into performance limits of trading strategies implemented.

SKILLS

Finance: Financial Modeling, Technical Analysis, Fundamental Analysis

Programming Languages: Java, Python, Typescript, SQL, JavaScript, HTML/CSS