

# Matteo Kitic

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## EDUCATION

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### Georgia Institute of Technology

Atlanta, GA

*Master of Science in Computer Science, Machine Learning*

*Expected Graduation: May 2025*

**Relevant Coursework:** Data Structures and Algorithms, Data Analysis w/ Python, Software Development (SDLC), Databases, Computer Networks, Machine Learning for Trading, Knowledge Based Artificial Intelligence, Statistics and Probability

## EXPERIENCE

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### Warner Bros. Discovery

Oct. 2022 - Aug. 2023

*Analyst*

*Atlanta, GA*

- Implemented scalable web, mobile application and connected device advertising products utilizing **React** and various internally developed libraries
- Developed dashboards to easily visualize and analyze data for NCAA's March Madness Live **iOS** and **Android** applications
- Worked with sports brands like the MLB, NHL, and NBA to analyze digital ad data to grow revenue.

### NASA MINDS

Nov. 2021 - Jun. 2022

*Software Engineer*

*Atlanta, GA*

- Developed a system that detects thermal changes, deformations and crack monitoring on surfaces for NASA's Artemis program using **Python** and **OpenCV**
- Built an interactive dashboard using **Flask**, **pandas**, and **Dash framework** to visualize data and display metrics in real-time
- Created and implemented functionalities for distance detection, thermal changes, and crack detection using artificial intelligence and external **sensors** on a microcontroller board
- Participated in agile ceremonies and scheduled weekly sprint review and planning meetings to manage development of software

## PROJECTS

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### Pofit 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

### Smart Quotes | *Python, Flask, React, MongoDB, Firebase, TensorFlow*

- Developed a full-stack web application that generates inspirational quotes using **TensorFlow** and **Flask**
- Integrated feature for user authentication using **Firebase**
- Created **REST API** calls to access and use data from client-side and backend
- Stored and pulled all data using **MongoDB**

### Course API | *Typescript, Node.js, AWS EBS, DynamoDB, Bootstrap*

- Developed a full-stack web application to allow developers to easily interact with Georgia Gwinnett College's course database
- Designed and developed an express API using **Typescript**
- Hosted web application using **AWS Elastic Beanstalk**
- Created a simple front-end for the site using **HTML**, **CSS**, **Bootstrap**

## TECHNICAL SKILLS

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

**Frameworks:** React, Node.js, Flask, JUnit, Dash, Spring, TensorFlow, Mockito

**Developer Tools:** Git, Docker, Postman, AWS, MongoDB, Firebase

**Libraries:** pandas, NumPy, SciPy, Matplotlib, Apache Commons