MICHAEL E. GULDBERG

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📞 San Francisco, CA
in LinkedIn
GitHub
📍 Personal Website

SKILLS

Data Science Skills

Machine Learning, Neural Networks, Regression, Classification, K-Means, KNN, Decision Trees, Naive Bayes, Logistic/ Linear Regression, Time Series Forecasting, Data Cleaning/Manipulation, Exploratory Data Analysis (EDA), Data Visualization, Research Design, Data Engineering, Database Management, Statistical Analysis, Object Oriented Programming, Functional Programming, Experiments and Causal Inference

Platforms / Software

MacOS, Windows, Linux, Jupyter Notebook, Google Colab, Git/GitHub, RStudio, Tableau, Altair, Observable, Command Line Interface (CLI), Amazon Web Services (AWS), MongoDB, Neo4j, Redis, Docker, PostgreSQL, mySQL, NoSQL, Kafka, Visual Studio (VS) Code

Languages

Python, R, SQL, Java, HTML, CSS, JavaScript

Libraries / Frameworks

Pandas, NumPy, Matplotlib, , D3.js, SciKit-Learn, TensorFlow, Seaborn, Plotly, BeautifulSoup, Flask, Django, ggplot2, dplyr, React, Bootstrap

ACHIEVEMENTS

- 2x First Team Academic All-American (2nd time in GT Baseball history)
- 3x ACC Academic Honor Roll
- .374 collegiate career batting average (8th best in GT Baseball history)
- 2020 ACC batting average leader (.450)
- Dean's List 2017-2021

EDUCATION

University of California, Berkeley

Master of Information and Data Science

📅 Aug 2023 - Dec 2024   📍 Berkeley, CA   🎓 4.0/4.0

- Bay Wheels Analytics Web Application
  - Tableau, Altair, D3.js, Python, Pandas, Flask, Git, CLI
- Graph Databases and Algorithms Project
  - Neo4j, Redis, MongoDB, Python, AWS, Git, CLI
- Housing Prices and School Quality Analysis
  - Python, Pandas, Data Analysis, Data Visualization
- Voting Difficulty Analysis
  - R, Statistical Analysis, Linear Regression
- Examining the Wage Gap Across Generations
  - R, Statistical Analysis, Multiple Linear Regression

Georgia Institute of Technology

BS- Industrial and Systems Engineering
Minor- Computer Science

📅 Aug 2017 - Dec 2021   📍 Atlanta, GA   🎓 3.79/4.0

- *Summa Cum Laude*
- Varsity Baseball Athlete

EXPERIENCE

Professional Athlete

Oakland Athletics

📅 June 2020 - June 2023   📍 Oakland, CA

- Drafted in the 3rd round (98th overall) in the 2020 MLB Draft and competed at Major League Spring Training, Arizona Fall League, Double-A, and High-A
- Analyzed game and wellness data using advanced analytics software tools for making informed decisions and increasing performance
- Wellness Tracker Project
  - Used machine learning in Python to predict physiological wellness and analyze most important factors contributing to it
  - Used results to continually alter habits to maximize wellness and performance during season
- Pitch Tunneling Project
  - Used in-game Trackman data to create a tool for helping hitters to make earlier decisions on whether or not to swing
  - Strategy implemented in game by myself and multiple teammates
- Demonstrated leadership skills in managing team dynamics during practice and game play leading to increased team performance and wins

Data Science Intern

Terbium Labs

📅 May 2019 - Aug 2019   📍 Atlanta, GA

- Used AWS, Git, Pandas, NumPy, and other Python packages to scrape the dark web for fraud
- Added thousands of exposed credentials, credit card information, and doxing instances to database
  - Helped current and prospective clients increase cybersecurity and mitigate damage from data leaks
- Contributed to the company's 2021 acquisition by Deloitte