MARIO AGBAN

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EDUCATION

University of California, Berkeley | B. A. Applied Mathematics and Data Science   2018 - 2022

SKILLS

- **Programming**: Python, SQL, R, Regex, JS, HTML, CSS
- **Data Pipeline**: dbt, Fivetran
- **Product Analytics**: Google Analytics, Amplitude, Segment
- **Business Intelligence**: Tableau, Looker, Power BI, Jupyter Notebook
- **Spreadsheets**: Excel, Sheets
- **Packages**: Ggplot, Pandas, Seaborn, Matplotlib, NumPy, Sci-Kit Learn, TensorFlow, Pytorch, Ploty, Scipy
- **Statistical Techniques**: Hypothesis Testing, A/B Testing, Confidence Intervals, Bootstrap, Modeling

PROFESSIONAL EXPERIENCE

Analytics Engineer Fellow   **Remote**
Modern Data Lab   Jun 2024 – Present
- Leveraged the modern data stack to extract, clean, and transform real-world datasets using SQL and presented insights using Tableau
- Coursework included Excel, PostgreSQL, Snowflake, Tableau, dbt, Looker, and statistics

Coding & Web Development Instructor   **Summit High School District, Bay Area, CA**
CodeCampus Inc.   Aug 2022 – Jun 2024
- Taught high school computer science and robotics courses SME with fluency in Python and JavaScript
- Developed new curricula: effective lesson plans, hands-on projects, and designed assessments that met the Next Generation Science Standards, Common Core State Standards, International Society for Technology Education Standards, and Computer Science Teachers Association Standards

Data Analyst Intern   **West Lafayette, Indiana**
Purdue University | Project |Lead Researcher Dr. Alessandro Selvitella   Apr 2022 – Jul 2022
- Analyzed and cleaned COVID-19 data with Foursquare API, Python and Pandas/NumPy
- Visualized infection rates and machine learning-generated clusters via interactive maps created with Matplotlib
- Algorithmically scored locations based on infection rates and ranked by contribution to coronavirus cases
- **Results:** Used exploratory data analysis and ML techniques to examine different types of popular venues present in a Texas county that made an impact on the COVID-19 infection rate and created a ranked list of the most "dangerous" types of venues.

Data Analyst Intern   **Metro Area, Washington DC**
LEED Green Building Council | Project   Sep 2021 – Dec 2021
- Inspected data to derive insights and identified correlations and patterns to apply statistical methods to analyze data in MySQL Workbench
- Developed reports and dashboards the business stakeholders, APPs, programmers, and analysts to pull from the enterprise data repository
- **Results**: Migrated 38% of the company data from Yellowfin to Power BI

Data Analyst Intern   **San Francisco, CA**
Carpe Med Travel | Project   Jun 2021 – Sep 2021
- Extracted, scraped, cleaned, and analyzed raw tabular data from hospitals in CSV and JSON formats
- Designed pipelines to automate extraction, transformation, and loading of data into repositories of new medical data for heat map visualizations

PROJECTS

LA Crime Dashboard   Aug 2024
My project delves into a comprehensive analysis of crime statistics in Los Angeles from 2010 to 2023, offering valuable insights into the evolving landscape of crime in the city.

Accenture Client Dashboard   Jul 2024
Advised a social media client (Social Buzz) on their content creation strategy because they reached a massive scale and did not have the resources to internally handle it. I offered insights to understand business decisions and recommendations on next steps.