

Chris Marchetti

Littleton, CO

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SUMMARY

Data Analyst working primarily in Python, with extensive experience as a mathematics educator. Experienced in SQL, Machine Learning, JavaScript, VBA & HTML. A lifelong learner, who enjoys solving complex problems with a team. Able to distill difficult concepts into clear, concise explanations.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, NoSQL, HTML/CSS

Databases: PostgreSQL, MongoDB, Redshift

Data Manipulation and Visualization: Pandas, Matplotlib, Tableau, Excel

Other: Git, Flask, Bootstrap, Command line, Amazon S3

PROJECTS

Flask Blog

Lead

- Github repository: <https://github.com/cmarche2ti/flask-blog>
- Project Deployed at: <http://cmarche2ti.pythonanywhere.com/>
- Personal blog coded from scratch. Allows users to create accounts and posts. Users may also edit and delete posts.
- Tools: Flask, SQLAlchemy, Python, HTML, CSS, Bootstrap

MLB Hall of Fame

Lead

- Github repository: <https://github.com/cmarche2ti/mlb-hall-of-fame>
- Project Deployed at: <https://mlb-hof.herokuapp.com/>
- Machine Learning project to predict if players should be inducted into the MLB Hall of Fame based on their statistics alone.
- Responsibilities: Machine Learning, Front End and Back End development
- Tools: Flask, HTML, CSS, Bootstrap, SQL, JavaScript, Scikitlearn, Python, Pandas, Matplotlib

MaryJane Website

Team Lead

- Github repository: <https://github.com/cmarche2ti/mary-jane-dashboard>
- Dashboard website showing relationships between Marijuana businesses & crime in the Denver Metro Area
- Responsibilities: Created Website UI, integrated visualizations
- Tools: Flask, HTML, CSS, Leaflet, JavaScript, Python, Pandas

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Does Foreign Aid Effect HDI

Team Lead

- Github repository: <https://github.com/cmarche2ti/ForeignAid-HDI-Project>
- The US and World Bank give aid to many countries, the project sought to determine if this aid improved a country's Human Development Index.
- Responsibilities: cleaned and merged data and created visualizations, prepared final Jupyter notebook.
- Tools: Python, Pandas, Matplotlib

EXPERIENCE

ETL Developer

Datateer - Contract

July, 2020-Present

Remote

Troubleshoot ETL pipelines using Meltano and dbt framework and Python. Write complex SQL queries to improve business outcomes. Communicate issues and plan of action with client.

Data Visualization Tutor

Trilogy Education

June, 2020-Present

Remote

Support students in Data Visualization programs with Python, Pandas, SQL, Tableau and other technologies.

Senior Instructor

Colorado Academy

2013-June, 2020

Denver, CO

Taught Mathematics and Introduction to Computer Science including, Multivariable Calculus, Calculus BC, Pre-Calculus, Geometry and Algebra.

- Lead the development of curriculum and assessments with course level teams.
- Established and led a Summer Math Program for incoming 9th graders.

Mathematics Teacher

Littleton High School

2002-2013

Littleton, CO

Taught mathematics including IB Mathematics HL & SL, AP Calculus AB & BC, Pre-Calculus and Algebra.

- Instrumental in bringing computer science classes to the school.
- Boettcher Distinguished Teacher

EDUCATION

Data Analytics Bootcamp Certificate: University of Denver, Denver, CO

- A 24-week intensive program focused on gaining technical programming skills in Python, JavaScript, SQL Databases, Machine Learning, Tableau, Big Data, HTML/CSS, Excel, and VBA.

Master of Arts in Educational Technology: Regis University, Denver, CO

Bachelor of Science in Mathematics: Montclair State University, Montclair, NJ