

CHRIS MARCHETTI

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SUMMARY

Data Scientist working primarily in Python, with extensive experience as a mathematics educator. Experienced in Machine Learning, JavaScript, SQL, 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

Data Manipulation and Visualization: Pandas, Matplotlib, Tableau | **Other:** Git, Flask, Bootstrap, Command line

PROJECTS

MLB Hall of Fame | <https://github.com/cmarche2ti/mlb-hall-of-fame> | <https://mlb-hof.herokuapp.com/> | **Lead**

- Machine Learning project to predict whether players should be inducted in 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 | <https://github.com/cmarche2ti/mary-jane-dashboard>

Team Lead

- 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

Does Foreign Aid Effect HDI | <https://github.com/cmarche2ti/ForeignAid-HDI-Project>

Team Lead

- 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

Senior Instructor
Colorado Academy

2013–Present
Denver, CO

Teach 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 lead 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 Science 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