

Michael McCarthy

Utah | [LinkedIn](#) | [Portfolio](#) | Please Contact Through LinkedIn

PORTFOLIO & PROJECTS - <https://mcc450.github.io>

- [Bellabeat](#) - Excel analysis of Fitbit user data. Excel Dashboard designed to give marketing and product recommendations.
- [Denver AirBnB](#) - General marketing analysis using Excel and visualized in Tableau.
- [Olympic Rowing Athlete Analysis](#) - Analyzed athlete data to answer long-held assumptions using SQL and Tableau.
- [Bike Sales Analysis](#) - Found patterns and trends in bike sale data. Culminated in Excel Dashboard.

WORK EXPERIENCE

South Davis Jr. High School

Math Teacher

Bountiful, UT

August 2022 - Present

- Co-created and implemented a department-wide ACT ASPIRE preparation program utilizing grade-wide competitions run by all 7 math department members. Monitored and analyzed performance using Excel (pivot tables, power query, formulas, charts).
- Devised innovative homework competition between 6 classes, leading to a 27% increase in assignment completion and a 7% improvement in assessment scores.
- Taught, maintained, and analyzed performance records for 165+ 9th grade Math 1 students and 15+ ESL students using Excel (pivot tables, formulas, conditional formatting).

Hillcrest High School

Math Teacher

Midvale, UT

August 2019 - May 2022

- Outperformed 9th-grade average by 14.5% and outpaced growth to “Proficient” level by 7% on state standardized tests through revision of curriculum, course structure, teaching methods, and tracking student assignment, attendance, and testing data in Excel (data entry, pivot tables, formulas).
- Developed and implemented a new Math course and curriculum to better serve 50+ refugee and immigrant students. Actively collaborated on applying concepts to English and Science courses.
- Secondary Math 1 Curriculum Team Leader 2021-2022. Directed development and application of curriculum to increase overall student achievement with 6 educators.
- Nominated for 2020-2021 Hillcrest High School Teacher of the Year as a 2nd-year teacher.

MyCIO Wealth Partners

Financial Data Analyst

Philadelphia, PA

2017

- Responsible for the creation of financial reports and capture of fund KPIs for the purpose of updating internal and external users for a \$250m retirement fund.
- Collaborated with investment advisors and financial planners to provide portfolio performance reporting using Morningstar, Tamarac Software, and Excel.
- Assisted in tax planning, returns, estate planning, and investment advisory for 15+ clients.

EDUCATION & CERTIFICATIONS

Villanova University

B.S. Mathematics

Villanova, PA

- Research in Cryptanalysis & Financial Derivatives Modeling.
- 4-year member, recruiter, and lead fundraiser of the Villanova University Men’s Rowing Team.

Google Data Analytics Certification (2022)

Coursera

- Tools Studied: SQL, Excel, Tableau, R.

Towson University

M.A. Teaching

Towson, MD

SKILLS

Skills: Mathematics | Excel | SQL | Tableau | Python (developing) | R (developing) | Spanish (Intermediate)