

# Michael McCarthy

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

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

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- [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

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### South Davis Jr. High School

Math Teacher

Bountiful, UT

August 2022 - Present

- Analyzed performance data using Excel (pivot tables, power query, formulas, charts) to develop a department-wide ACT ASPIRE preparation program and monitor student performance.
- Improved homework completion and assessment scores for six classes by 27% and 8%, respectively, through a data-driven strategy that tracked student progress and optimized competition effectiveness using Excel.
- Maintained and analyzed performance records for large student populations using Excel (pivot tables, formulas, conditional formatting), demonstrating proficiency in data analysis and management.

### Hillcrest High School

Math Teacher

Midvale, UT

August 2019 - May 2022

- Utilized Excel to analyze and track student performance resulting in a 14.5% outperformance of the 9th-grade average and a 7% increase in students reaching "Proficient" levels on state tests.
- Levered cross-function collaboration skills to design and implement a data-driven Math course for 50+ refugee and immigrant students. Used concepts to create English and Science courses after successful implementation.
- 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

- Created financial reports and captured fund KPIs for a \$250m retirement fund to update internal and external users, demonstrating proficiency in financial reporting and data management.
- Collaborated with investment advisors and financial planners to report portfolio performance using Morningstar, Tamarac Software, and Excel, highlighting experience in using data visualization tools and financial software to analyze and present data.
- Assisted in tax planning, returns, estate planning, and investment advisory for 15+ clients.
- Developed expertise in financial data analysis and management, as well as in communicating complex financial information to a variety of stakeholders.

## EDUCATION & CERTIFICATIONS

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### 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)

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

Coursera

### Towson University

M.A. Teaching

Towson, MD

## SKILLS

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