ANDREW MCLAUGHLIN

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SUMMARY

I am looking for a position as a data analyst on my way to becoming a data scientist. Most recently I was a math teacher at Newark High School, however I would like to work in a field where I can use my love of data to make actionable insights. I have taken an intense six-month course, which includes one on one mentorship and in-depth portfolio projects, to become a data scientist, and I am ready to put my skills in Python, SQL, and more, to use.

EDUCATION

Springboard Data Science Career Track July 2022 - Dec. 2022

Certification

- 6-month intensive course in data science, machine learning, Python and SQL.
- Portfolio: github.com/andmcllin

University of Delaware Aug. 2010 - May 2014

Bachelor's Mathematical Sciences, Psychology

- Relevant Coursework: Mathematical Statistics, Probability, Linear Algebra, Multivariate Calculus, Data Structures, Database Design and Programming, Application Development
- 6x Dean's List

EMPLOYMENT

Newark High School, *Math Teacher*, Newark, DE Aug. 2020 - July 2022

- Planned and implemented a program of study that met the needs, interests, and abilities of over 200 students.
- Helped over 70% of students show significant improvement in computational and mathematical solving skills, exceeding targets set at the beginning of the year.
- Monitored, maintained and improved the working condition of over 100 computers, projectors, and smartboards.
- Collected, managed, and interpreted data from a variety of sources for the improvement of instruction using Excel.
- Gathered performance data and used it to write over 40 Individual Education Plans to meet the needs of students.

SKILLS

COMPUTER LANGUAGES AND PACKAGES: SQL, Python, C#, SAS, NumPy, SciPy, Pandas, Scikit-Learn, Matplotlib, Seaborn
COMPUTER PROGRAMS: Power BI, Jupyter Notebook, Excel, Github, SAS Studio
KNOWLEDGE: Data Visualization, Data Wrangling, Hypothesis Testing, Machine Learning

PROJECTS

Delaware Education Capstone Sept. 2022 - Oct. 2022

- Objective: Make a recommendation for staffing levels at schools in the state of Delaware that would maximize student performance on standardized tests.
- Used three data sets of over one million rows each, performed exploratory data analysis using Python in Jupyter Notebook, then created an xgboost regression model of student performance.
- Created a presentation that showed that student proficiency can be raised by 20% with optimal staffing levels, especially in administrative roles.