

# Maxwell Patterson

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## SUMMARY

*Data Science and Visualization professional with a background as an IT Consultant. Earned a certificate in Data Science from Northwestern University and have 3+ years of professional experience in data analysis. Educational background also includes a B.S. in mathematics and physics from Dickinson College. Experienced in Python, SQL, NoSQL, and JavaScript to create full-stack applications. My technical skills, combined with my experience in collaborative, deadline-driven environments, make me a strong addition to any data analysis team.*

## EDUCATION

NORTHWESTERN UNIVERSITY  
Certificate, Data Science Boot Camp

February 2020

DICKINSON COLLEGE  
Bachelor of Science, Mathematics and Physics

May 2016

## TECHNICAL SKILLS

- Programming: Python (pandas, Matplotlib, NumPy, Flask, scikit-learn, PySpark), SQL (MSSQL, PostgreSQL), JavaScript (plotly, D3, Leaflet), R
- Tools: Machine Learning (linear regression, logistic regression, decision trees, random forest, k-nearest neighbors), Tableau, HTML5, CSS3, Jupyter Notebooks, Microsoft Office, Microsoft Visio, Microsoft Visual Studio, Git, SQL Server Management Studio, REST APIs

## PROFESSIONAL EXPERIENCE

NIELSEN  
*Analytical Framework Consultant*

Chicago, IL  
August 2019 - Present

- Work with client and offshore development team to transition databases from legacy systems to newer products
- Use Python to analyze variance in sales information between databases
- Work with data scientists to create machine learning application that predicts a product's characteristics

REVENUE SOLUTIONS, INC.  
*IT Consultant*

Chicago, IL  
December 2017 - August 2019  
September 2016 - December 2017

- Received company award for excellence in communication with the client
- Provided Production support for web applications that increase tax processing efficiency for state, city, and county governments
- Worked with clients' business and technical leads to create and update software requirements specifications (SRS) for multiple custom interfaces involving ETL
- Used SQL Server Data Tools to create SQL Server Integration Services (SSIS) packages
- Created process flow diagrams using Microsoft Visio
- Used MSSQL to query and monitor large data loads

## INTERCOLLEGIATE ATHLETICS

DICKINSON COLLEGE

Carlisle, PA  
2012 - 2014  
2012 - 2015  
2015 - 2016

- NCAA Division III Cross Country Team
- NCAA Division III Track & Field Team
- Student Assistant Coach, NCAA Division III Cross Country and Track & Field Teams