

Maxwell Patterson

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SUMMARY

IT professional with experience in data analysis and data visualization. Comfortable working with front-end and back-end technologies commonly used in the data science field. Have experience presenting information to C-Suite and clients.

EDUCATION

NORTHWESTERN UNIVERSITY, SCHOOL OF PROFESSIONAL STUDIES

Certificate, Data Science Boot Camp

February 2020 (Expected)

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 tree, 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

Associate IT Consultant

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

- NCAA Division III Cross Country Team 2012 - 2014
- NCAA Division III Track & Field Team 2012 - 2015
- Student Assistant Coach, NCAA Division III Cross Country and Track & Field Teams 2015 - 2016