Max Caudle

Data Scientist

Personal Info

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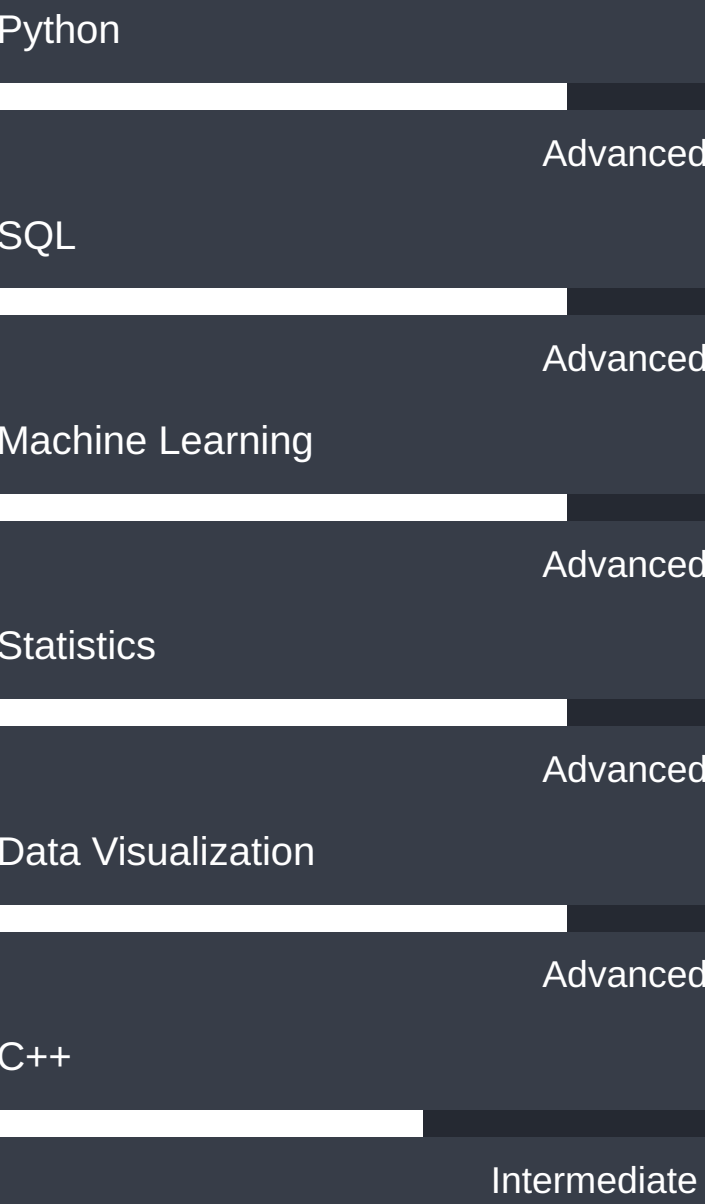
E-mail
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Personal Website
http://www.maxcaudle.com

GitHub
https://github.com/MasonCaiby

LinkedIn
www.linkedin.com/in/maxcaudle

Technical Skills

Python
Advanced

SQL
Advanced

Machine Learning
Advanced

Statistics
Advanced

Data Visualization
Advanced

C++
Intermediate

Data Scientist with 4 years experience analyzing data, managing projects, implementing improved processes, designing and developing automation tools. Experienced in machine learning, data visualization, and software engineering. Achievements include reducing reporting time from 3 weeks to 4 days, improving report accuracy from 50% to 95%, and continual recognition as one of the most efficient workers at and well beyond job description.

- Created multiple models and tools, focused on business growth and improvement
- Lead multiple quantitative analyses project groups, wrote and presented reports on our findings
- Favorite Packages: Pandas, Numpy, Sci-kit Learn, Keras, Numpy, Flask, Plotly, Matplotlib, SciPy, TensorFlow, Selenium, NLTK

Experience

2018-02 - present

Data Scientist
Independent Contractor

- Data Scientist (MES)- Created and automated data visualization/analysis for a wide range of users, implemented software into development server (current)
- IR data (Boulder AI)- Built a model to find "red zones" using IR and Depth Data
- Radar Data (Boulder AI)- contracted to improve code, model, and convert Keras code to an old version of Tensorflow improved accuracy from 86% to over 90%
- Wildlife Detection (Boulder AI)- on a Colorado Parks & Wildlife study of wilderness restoration's effectiveness. Built a wildlife detection model that obtained a precision of 83%. Included a robust pipeline to allow future training of the model for classification.

Personal Projects

- Generative Art- created an artist that replicates famous pieces with a genetic algorithm
- Grade comparison- Web-scraped 8a.nu for user data to compare climbing ability across different disciplines, created an interactive visualization with data
- SO Handler- LSTM Model that produces text. Pulls images from Flickr every day and combines them with some generated text in a daily email
- Picnic Table- Built a picnic table with a Raspberry Pi running web controlled LED strips
- Auto_App- A bot that applies to jobs on AngelList with customized cover letters
- Personal Website- created a personal website, with a recipe logger and rating system

2017-03 - 2018-08

Agency Reporting Associate
AlsoEnergy

- Created tools that ensure data integrity, automate tasks, and streamline processes- decreasing the time to file reports by over 50%
- Discovered and helped resolve multiple issues in our reporting software
- Became the companies saving grace for many customers, through excellent response time and service

2016-02 - 2017-03

Co-Founder
Endless Electricity

- Co-founded and managed a solar subcontracting company; managed projects, finances, and installs
- Created a model that predicted solar cost, payback time, savings, economic impact

Additional Statistics and Activities

Top 1% of Python users on HackerRank.com
Top 3% of StackOverflow users for 2019
Top 5% of SQL users on HackerRank.com
Top 50 US sport climbers according to 8a.nu
Volunteer Data Science and AI Instructor at Create and Learn

Education

2018 - 2018

Galvanize - Data Science
Data Science Immersive that focuses on machine learning, automation, analysis, modeling, visualization, and data based decision making.

2011 - 2015

B.A. Economics University of Colorado at Boulder
Focused on, and excelled at quantitative analysis, using R and Mathematica.