

+ summary

I am a data engineer/scientist that builds simple, clean, and efficient solutions to complex machine learning problems. I am here to positively contribute dedication, wit, and passion to a company's story, community, and the surrounding world.

I have always had a love of computer science, going so far as to enroll in multiple CS courses during high school and complete a number of CS courses alongside my double major in Geography and Environmental Studies.

My most recent job showed me that I could combine my love of the outdoors and my passion for computers and analytical thinking. I decided to take a leap into the (somewhat) unknown.

My goal is to learn from the best until I am ready to start my own company that brings technology and innovation to the environmental sector through data science.

+ employment

General Assembly

Data Science Immersive

- Intense 3 month session (75 hours a week)
- Dove deeply into a broad range of skills required to be an asset in an era of exploding growth in machine learning, data collection, data management, and effective data analysis.
- Gained the skills necessary to step into the world of data science.

Recruiter

Building Robotics

2016 to 2016

- Learned or used existing technical knowledge to effectively screen for front end web developers, resulting in two full-time additions to a small, tight-knit team.
- Responsible for timely scheduling of back-end screens, all technical interviews, and on site interviews.

Hospitality and Customer Service

Various companies

2007 to 2016

- Improved daily traffic and operations of a new restaurant by selecting inventory, producing a drink menu, instituting a happy hour, and training staff.
- Promoted teamwork in the workplace through conflict management, communication, respect, and cooperation.
- Developed strong organizational skills through event coordination and inventory management.
- Required competence and collectedness while working under pressure.

+ projects

Career Recommendation System – Client Project

Dec 2016 to Dec 2016

A local start up asked for a job and skills recommendation engine to help give users an idea of what they can do to change their career.

- Text scrubbing and cleaning was followed by TFIDF vectorization to extract relevant text features from user job descriptions and skills.
- Cluster job titles using agglomerative hierarchical clustering in order to loosely represent industries.
- Assign a cluster to a new user with multinomial logistic regression and then recommend job titles from each of the clusters using cosine similarity comparison.
- Suggest the most common skills necessary for that job title.

Social Media Sentiment Analysis – Major Airlines

Nov 2016 to Nov 2016

- Explored the sentiment of tweets directed at major airlines as an example of how machine learning can leverage data from social networks to make data-driven business decisions.
- Natural language processing: TF-IDF, latent semantic analysis and a 'bag of words' approach.
- Utilizes PCA and SVD for feature reduction.
- Compares multiple clustering models.

+ skills

Machine Learning

Natural Language Processing

Recommender Systems

Python

Java

HTML/CSS

Data Visualization (Seaborn, Tableau, Matplotlib)

Web Scraping

Pandas

ETL

SQL

MongoDB

APIs

Chron Jobs

Big Data (Hadoop, AWS, SPARK)

A/B Testing

Time series data

+ education

General Assembly

Data Science Immersive 2016

University of Wisconsin–Madison

BS Geography 2013

BS Environmental Studies 2013