

BENNETT BROWNING GENTRY

Contact

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Education

Virginia Tech

BS Industrial and Systems Engineering

MITx

MicroMasters Credential
Supply Chain Management

Skills

LANGUAGES AND LIBRARIES

Python
SQL
HTML
VBA
Pandas
Numpy
Scikit-learn
BeautifulSoup
Flask
Selenium
Scrapy

VIZUALIZATION

D3
Matplotlib
Seaborn

MACHINE LEARNING

Regression
Classification
NLP
Clustering
Reinforcement Learning

OTHER

Git
AWS
LSS Green Belt

Projects

Patchwork AI

Using reinforcement learning, built a computer program that plays the board game Patchwork.

Rock Climbing Route Recommender

Built a web app using Flask, Javascript and HTML that leverages unsupervised learning techniques to generate recommendations for a day of rock climbing based on user history. The model was built as a hybrid extrinsic/intrinsic system incorporating user similarities and natural language processing.

Predicting New York City Rat Inspections

Created a classification model to predict the results of New York City rat inspections in Manhattan and the Bronx using time series of inspection history data and physical qualities of tax lots. Using a D3-based map, visualized 7 years of past inspections.

Predicting College Football Success in the NFL

Using linear regression, built a model to predict the first year performance of NFL quarterbacks based on college statistics and personal traits.

Experience

Metis · *Data Scientist*

Jan 2018 to Current · New York, NY

- Completed a 12-week immersive data science program covering machine learning, data analysis, visualization, and communication.
- Completed 5 projects from inception to presentation, including data collection, analysis, and modeling.

Bozzuto's, Inc. · *Senior Industrial Engineer*

Sep 2015 to Jan 2018 · Cheshire, CT

- Managed the industrial engineering department in a network of three wholesale food distribution centers employing over 650 hourly associates.
- Planned, tested, and implemented multiple enhancements to an in-house warehouse management system resulting in labor and shrink savings of over \$250,000.
- Created and improved reporting structures, increasing visibility of relevant statistics which streamlined reporting processes to improve accuracy and leverage automation where possible.

Lowe's Companies, Inc. · *Senior Industrial Engineer*

Feb 2015 to Jul 2015 · Cheyenne, WY

- Managed all engineering project work within the distribution center, including all organization, communication, and training for over 400 employees.
- Coordinated the development of standardized data collection practices for all time and motion studies in fifteen distribution centers as a leading member of a network-wide improvement team.
- Facilitated formal and informal technical skills training and leadership development for both direct and indirect reports on Lean Six Sigma and installed Labor and Warehouse Management Systems.

Field Industrial Engineer

Jun 2013 to Feb 2015 · Cheyenne, WY

- Collaborated with regional distribution center and corporate management to initiate and complete multiple facility and network improvement projects totaling over \$150,000 in annual savings.
- Facilitated customer focused Rapid Improvement Events based on lean and DMAIC principles.
- Supported a labor management system based on engineered standards by ensuring the integrity of this system as well as proper integration with a warehouse management system.
- Maintained an AutoCAD-based warehouse map of a 1.4 million square foot distribution center.