

# BROWNING GENTRY

## Contact

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## Education

### Virginia Tech

BS Industrial and Systems  
Engineering

### MITx

MicroMasters Credential  
Supply Chain Management

### Metis

Data Science Bootcamp  
12-week program covering  
machine learning, data  
analysis, visualization, and  
communication.

## Skills

### LANGUAGES

Python  
SQL  
Javascript  
VBA

### VIZUALIZATION

D3  
Tableau  
Periscope

### ANALYTICS

Regression  
Classification  
Natural Language Processing  
Reinforcement Learning  
Time Series Analysis

### OTHER

Git  
Flask  
BigQuery  
Docker  
Google Cloud Storage  
AWS S3

## Experience

### Oscar Health

*Manager, Population Health Data*

Oct. 2019 to Current · New York, NY

- Led an intervention to educate members and providers on lower-cost prescription alternatives. Implemented a process and set of jobs to query for members with opportunities, escalate to a team for outreach, and track outcomes. Evaluated the member responses and conversion rates using claim, message, and call data.
- Built a TFIDF-based ensemble model to predict member satisfaction using member messages to better understand the effects of large scale outreaches.
- Designed a time series based, logistic regression model to optimize the contact rate of phone-based interventions by determining the best time to call members. Operationalized the model by programmatically surfacing call opportunities to agents based on hour-specific predictions.
- Created a prototype flask application for Case Management to facilitate data-driven post hospital recovery interventions by nurses and social workers. Surfaced cases using utilization management data and built an application-driven workflow for patient management and case documentation.

*Population Health Analytics Associate*

July 2018 to Oct. 2019 · New York, NY

- Served as the primary data analyst for Oscar's Concierge Services, supporting a call center of over 500 agents through performance reporting dashboards.
- Created and implemented a member panelling tool, assigning over 600,000 members to care teams. This tool used a workload prediction model to properly balance volume as well as a D3 and flask-based interactive mapping tool, allowing for geographically contiguous groups.
- Redesigned ETL jobs and data structures powering Concierge Services to standardize and organize information from multiple sources into easily digestible and timely analytics views.

### Metis

*Data Science Teaching Assistant*

Apr. 2018 to June 2018 · New York, NY

- Supported data science instructors in teaching a 12-week data science bootcamp.
- Assisted students in troubleshooting issues with data cleaning, web scraping, machine learning, and data visualization.
- Performed code review and provided individualized feedback for students.

### Bozzuto's, Inc.

*Data Analyst, Senior Industrial Engineer*

Sept. 2015 to June 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 July 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.

*Field Industrial Engineer*

June 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.
- 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.