

## Contact

[www.linkedin.com/in/john-enright](https://www.linkedin.com/in/john-enright)  
(LinkedIn)

## Top Skills

Statistical Modeling  
DevOps  
MLOps

## Languages

Spanish (Limited Working)  
English (Native or Bilingual)

## Certifications

Essential Math for Machine  
Learning: Python Edition

## Honors-Awards

SUNY Geneseo Dean's List, Fall  
2019

# John Enright

Data Scientist - Research  
Brooklyn, New York, United States

## Summary

Highly motivated data scientist applying analytical and AI techniques to the growing data-driven world. Passionate about how AI can impact and lead innovation across all aspects of society and industry.

## Experience

### Corning Incorporated

2 years

#### Data Scientist

August 2021 - Present (1 year 9 months)

New York, New York, United States

- Conduct machine learning model building for predicting material properties, optimizing research process for developing new materials.
- Publication of scientific papers related to developed ML models and processes.
- Experience with handling large datasets using Spark/Databricks, cleaning data, and applying to AI models.
- Extensive experience developing deep neural networks and gaussian processes using PyTorch, Jax, and Tensorflow.
- Utilized multiple data visualization tools to communicate predictive models, including Seaborn, Pyplot, Tableau.
- Presenting and communicating business insights from predictive models to a broader audience.
- Software development of a data science platform for hosting and deploying machine learning models, greatly improving access to models available internally.
- API development.
- Developing and designing the structure of NoSQL databases.
- Optimizing the ETL process, data warehousing from databases to front-end applications.
- DevOps/MLOps experience with Kubernetes and optimizing CI/CD pipelines for the deployment of ML models to production.

- Architected infrastructure and environment in AWS using EKS, and serverless technologies.
- Leading design and research into applications of AI on materials innovation.
- Creation of optimization and recommender algorithms for machine learning modeling.
- Development of computer vision Neural Networks for object detection in manufacturing processes.
- Languages: Python, JavaScript, TypeScript, Terraform, SQL, Vue.js, HTML, YAML
- Python Libraries: PyTorch, Keras, Tensorflow, PySpark, Pandas, Numpy, Optuna

### High Performance Computing Engineer

May 2021 - August 2021 (4 months)

Corning, New York, United States

- Collaborated with staff to build, configure, and operationalize data analytics environments.
- Troubleshoot and resolve cluster and application problems.
- Documented and presented the projects on how to operate the platforms.
- Worked with Docker, Kubernetes, Plotly to build containerized dashboard web applications for cluster monitoring.
- Scripting with shell scripts in linux environments

### SUNY Geneseo

Undergraduate Research Assistant

August 2019 - May 2020 (10 months)

Geneseo, New York

- Used thermal demagnetization techniques to produce geologically relevant paleomagnetic data.
- Principle Component Analysis and Fourier analysis applied to vector component models created in MS Excel and Python.
- Performed statistical, qualitative, and quantitative analysis.
- Models were then analyzed to infer the timing and rates of magma emplacement.
- Collaborated with professors to create a new research plan to determine the most precise laboratory process.
- Prepared materials for reports, presentations and submission to peer-reviewed journal publications.

### American Rock Salt Company LLC

Exploration Geologist Intern

February 2019 - August 2019 (7 months)

Geneseo, New York

- Applied engineering geology strategies to building plans of the underground mine.
- Collected and recorded geophysical log data, to then be transformed into structure maps 3-D models of the subsurface.
- Communicated and presented the created models to optimize the total mined area, mitigate unforeseen hazards, and provide insights to potential unexplored salt reserves.

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## Education

University at Buffalo School of Engineering and Applied Sciences

Master of Science - MS, Data Sciences and Applications · (August 2020 - August 2021)

SUNY Geneseo

Bachelor of Science - BS, Geological and Earth Sciences/  
Geosciences · (August 2016 - May 2020)