

BRENDON GORY

<https://brendongory.io>

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Summary

Data Scientist with a robust background in machine learning, statistical analysis, and predictive modeling. Proficient in deriving actionable insights from complex datasets and translating them into strategic business decisions. Skilled in Python and R, with expertise in designing and deploying machine learning algorithms. Adept at utilizing advanced statistical techniques to tackle real-world problems and enhance decision-making processes. Transitioned from a seasoned developer to specializing in data science and AI-centric technologies.

Education

HARVARD UNIVERSITY

Master of Liberal Arts, Data Science

Cambridge, MA

May 2024

- Relevant coursework in enterprise information systems, data mining, statistical reasoning, critical thinking and forecast management (GPA 3.7)
- Data Science Graduate Certificate - January 2023

Technical Skills

- **Data Analysis:** Exploratory Data Analysis (EDA), Data Cleaning, Feature Engineering
- **Machine Learning:** Regression, Classification, Clustering, Natural Language Processing (NLP)
- **Programming Languages:** Python, R, .NET
- **Data Visualization:** Matplotlib, Seaborn, Tableau, QGIS
- **Statistical Tools:** Hypothesis Testing, A/B Testing, Regression Analysis
- **Machine Learning Libraries:** scikit-learn, TensorFlow, Keras
- **Data Manipulation:** ETL, pandas, Numpy
- **Big Data Technologies:** Apache Spark, Hadoop, Neo4j
- **Version Control:** GitHub, GitLab, Git
- **Database Management:** SQL, MongoDB, NoSQL
- **IDE Tools:** Jupyter Notebook, Anaconda, Google Colab
- **Cloud Platforms:** AWS, Microsoft Azure
- **Data Preprocessing:** Normalization, Scaling, Imputation
- **Feature Selection:** Lasso, Ridge, PCA
- **Model Evaluation:** Cross-Validation, Precision-Recall, ROC curves
- **Collaboration:** Deep Learning, CNNs, GANs, GNNs, AI

Professional Experience

Harvard University, *Cambridge, MA*

2024 – Present

TEACHING ASSISTANT – DATA SCIENCE GRADUATE DEPARTMENT

- Assisted in the course "Data Science and Artificial Intelligence: Ethics, Governance, and Laws."
- Hosted office hours to support class material understanding and fostered collaborative learning.

Harvard University, *Cambridge, MA*

2021 – 2024

Graduate Student

- Enrolled in courses on cutting-edge data science, AI, and machine learning technologies.
- Authored papers and projects using Python and R.
- Gained proficiency in data visualization, feature selection, cross-validation, and deep learning.

Masters Thesis

- Conducted a comparative study on machine learning models for predicting polar sea ice extent.
- Evaluated models' performance, with U-Net achieving the highest accuracy.
- Developed a minimum viable product for the US National Ice Center.

Output Services Group Inc., Ridgefield Park, NJ**2009 – 2021****VICE PRESIDENT – DATA INTEGRATION (2016 to 2021)**

- **.NET Development:** Led migration to new versions of .NET, ensuring up-to-date technology use and improved application performance.
- **ETL Processes:** Oversaw client data processing using advanced ETL techniques, enhancing data transformation and integration efficiency.
- **Code Review & Best Practices:** Conducted code reviews and established best practices to enhance data processing efficiency and maintain high code quality.
- **Data Transformation Pipeline:** Built an automated batch processing environment for efficient data transformation and integration.
- **Document Composition Software:** Implemented new document composition software, improving document management and processing.
- **SaaS Solutions Implementation:** Pioneered the installation of SaaS solutions in project management and software development, enhancing productivity and collaboration.
- **Integration Architecture:** Spearheaded the integration architecture process for new partners, ensuring seamless technical environment adaptation.
- **Quality Assurance:** Established and maintained quality assurance best practices, achieving a 99.9% accuracy rate in programming.
- **Scalability & Efficiency:** Streamlined operations and optimized processes to handle increased workloads and reduce implementation times from 180 to 85 days.
- **Cross-functional Collaboration:** Worked with sales, development, and executive teams to drive integration projects and support new market development.
- **Team Leadership:** Managed a diverse team of developers, including offshore resources, ensuring effective collaboration and project delivery.

DIRECTOR OF DATA IMPLEMENTATION (2009 – 2016)

- **PDF Print Stream Creation:** Devised a process for creating PDF print streams, significantly enhancing productivity, reducing print times, and lowering operating expenses.
- **Implementation Process Design:** Redesigned the implementation process to include detailed documentation such as Scope of Work, Specifications Questionnaire, Milestones Document, Project Plan, Business Requirement Document, and Project Specifications Document. New reports to monitor workload, resource availability, and planned hours, optimizing departmental efficiency.
- **Scalable Template Optimization:** Optimized existing setups for scalable templates, streamlining project durations and minimizing errors.

Professional Development

- Post-Baccalaureate Studies, Columbia University, NY - 2010, 2021
- Introduction to Blockchain Technologies Certification, Insead, Coursera - 2021
- Java Certification, Duke University, Coursera - 2021
- Series 7 License, ASP 2.0, VB.NET - 2005, 2010
- AMA Management Training, Whitehat .NET Security, OWASP

Volunteering**New Bridge Medical Center, Paramus, NJ****2022 - Present**

- Managed employee health data records and digitized records.

American Foundation for Suicide Prevention, afsp.org**2022 - Present**

- Active walker and fundraiser to raise awareness for suicide prevention.