Rory M. Flynn

Statistics, Data Science, Machine Learning

Location:	*REDACTED*
Phone	*REDACTED*
Email	*REDACTED*
Website	*RoryMFlynn.com*
Github	*github.com/rmFlynn*

Education

Masters of Computer Science, GPA:3.867 — **University of Colorado, Denver**
Concentration: Data Science in Biomedicine — *Thesis in progress, Graduating: Dec, 2020*

Bachelors of Science in Mathematics, GPA:3.53 — **Metropolitan State University of Denver**
Concentration: Probability and Statistics, Minor: Chemistry — *Graduated: Dec, 2015*

Employment

Machine Learning Graduate Apprentice (Jan 2020 - Present) — **University of Colorado Denver**

- Created documentation and tools to securely manage and analyze a large collection of medical data.
- Designed an original algorithm, implemented in Keras, to address the challenge of imbalanced classes in genetic data.
- Utilized HPC resources to build, fit, and evaluate custom and off the shelf models.

Teaching Assistant (Algorithms) (May 2019 - Dec 2019) — **University of Colorado Denver**

- Responsible for assisting students with class comprehension and programming tasks, grading, and other responsibilities.

Graduate Intern (May 2019 - Aug 2019) — **National Renewable Energy Lab (NREL)**

- Created a complex python package for transforming, arranging, and converting energy data sets to facilitate NREL research.

Research Associate (Mar 2016 - Aug 2018) — **BBC Research and Consulting**

- Collected, managed, and analyzed survey data for economic and social studies.
- Created complex web applications for data entry, tracking, and manipulation using the R-shiny tool kit.
- Automated statistical analyzes, including multi-variable regression, ANOVA, and Monte Carlo Simulation.
- Worked with large relational databases, cleaning, proofing, and analyzing the data therein.

Skills

Programming Languages

Python	(*advanced*)	*5+ years of heavy use*	**C++**	(*intermediate*)	*3+ years of use*
R	(*intermediate*)	*5+ years of use*	**BASH**	(*proficient*)	*3+ years of use*
SQL	(*intermediate*)	*4+ years of use*			

Operating Systems

Linux: (*advanced*) *9+ years heavy use*
Advanced understanding of the Linux tool kit, file structure, and ecosystem. Highly effective in a command line environment, with a long history using Docker, Vi/Vim, ssh and other system tools.

Windows: (*intermediate*) *9+ years of use*
Troubleshooting and programming, using tools like PowerShell, ODBC, and VBA. Looking forward to using WSL.

Disciplines

Machine Learning	**Image Processing**	**Data visualization**	**GUI programming**

Interests

Generative AI	**Active Learning**	**Linux App development**	**Meta learning**
Protein Synthesis	**Speech recognition**	**Genetics**	**Active Learning**