

Rory M. Flynn

Statistics, Data Science, and Research

🏠 Denver, Co
🌐 www.RoryMFlynn.com

Education

University of Colorado, Denver

Masters of Computer Science

Concentration: Data Science in Biomedicine

Expected to Graduate: 2020

Bachelors of Science in Mathematics

Concentration: Probability and Statistics, Minor: Chemistry

Metropolitan State University of Denver

Graduated: December 11, 2015

Previous Employment

BBC Research and Consulting

Research Associate

March 2016 - August 2018

- Responsible for gathering information, analyzing data, and automating process for economic and social studies.
- Created multiple complex web applications for data entry, tracking, and manipulation using the R-shiny tool kit.
- Designed a server environment from scratch for internal hosting in the company, using Ubuntu and Docker.
- Maintained said server and software stack, while training others to do the same.
- Automated statistical analyses, including multi-variable regression, ANOVA, and Monte Carlo Simulation.
- Accomplished miscellaneous data tasks with a tool kit including Stata, SQL, Perl, and VBA.
- Worked with large relational databases; cleaning proofing and analyzing the data there in.
- Automated the mass production of reports and graphics making otherwise impossible tasks mundane.

Recondo Technology

Cloud Operations Intern

May 2014 - January 2015

- Created various administrative programs using Ruby, BASH, PowerShell, and Puppet scripts.
- Tested scripts in a staging environment, and implemented them in production.
- Maintained stage and prod Linux servers, implemented hardware and software changes, and managed customer data.

Skills and Abilities

Programming Languages

Python: 3 years of experience in academia, and corporate environments.

R: 5 years of experience in academia and corporate environments.

C++: 2 years of experience in academia.

Perl: On the job training, and experience.

SQL: On the job training, and experience, primarily in Postgres and MySQL.

BASH: Hobby use and self teaching, with 6 years of experience in academia and corporate environments.

SAS: Formal training, experience in academia, and Certified Base Programmer for SAS9.

Platforms

Debian, Ubuntu, Red Hat & Other Linux: Years of experience in industry and academia. Strong understanding of the Linux tool kit, designed, file structure, as well as an ecosystem.

Windows(7,8,10): Comfortable troubleshooting and programming on this operating system, using tools like PowerShell, ODBC, and VBA.

Disciplines

Data Management

Survival Analyses

Web Scraping

Data visualization

Automation

Machine Learning

Regression Analyses

Web Applications

Office Software

Microsoft Office (Word, Excel, Access)

LibreOffice

Google Docs

Other Software

Git

VirtualBox

TEX/LaTeX

Linux Command Line

Docker