

# Rory M. Flynn

Statistics, Data Science, and Research

🏠 Denver, Co  
🌐 [www.RoryMFlynn.com](http://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.
- Worked with large relational databases; cleaning proofing and analyzing the data there in.
- Accomplished miscellaneous tasks with a tool kit including Stata, SQL, Perl, and VBA.
- 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.
- Also automated the 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, Power shell, 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)**

**Libre Office**

**Google Docks**

### Other Software

**Git**

**VirtualBox**

**TEX/LaTeX**

**Linux Command Line**

**Docker**