

ERIN GRAND

Data Scientist with 5+ years of experience data processing and using predictive modeling, Constantly learning something new. Involved in R open source community and board member of R-Ladies NYC.

View this CV online with links at eringrand.github.io

EDUCATION

- 2016 | 2014
● **M.S., Data Science**
Columbia University 📍 New York, NY
- 2014 | 2007
● **M.S. Astronomy and B.S., Astronomy and Physics**
University of Maryland 📍 College Park, MD

RESEARCH EXPERIENCE

- 2014 | 2011
● **Research Assistant**
University of Maryland 📍 College Park, MD
 - Researched the formation mechanisms of molecular pillars, such as the Eagle nebula's Pillars of Creation
 - Compared observations of high density gas to model predictions. Wrote IDL and Python scripts to process, analyze, and display the results
- 2011 | 2010
● **Summer Intern**
NASA Goddard Space Flight Center 📍 Greenbelt, MD
 - Performed analysis on raw data from the Swift observatory to produce a three-colored ultraviolet image of the Andromeda galaxy¹
 - Image has been featured on Astronomy Picture of the Day² twice since publication
 - Developed bash shell scripts to manually set the aspect correction of images from the Swift satellite allowing the data to be used in further research

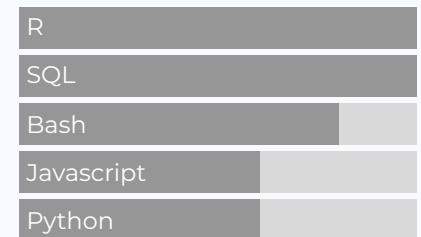
INDUSTRY EXPERIENCE

- current | 2016
● **Senior Data Scientist**
Uncommon Schools 📍 New York, NY
 - Produced high-quality analytics work around student and staff data, including prediction models around student state exams, student enrollment, and staff recruitment.
 - Lead 6+ group trainings on the R programming language for 10+ coworkers, created git training and policies to introduce git to team
 - Automated manual state exam reporting process saving 6+ hours of processing time

CONTACT

✉ eringrand@gmail.com
🐦 [astroeringrand](https://twitter.com/astroeringrand)
🔗 github.com/eringrand
🔗 eringrand.github.io
🌐 linkedin.com/in/eringrand

LANGUAGE SKILLS



RELEVANT COURSES

dbt, docker, aws redshift

I have 5+ years working with data. I thrive in environments where I can learn from my peers. *Made with the R package [pagedown](https://pagedown.rbind.io/).*

The source code is available [on github.com/eringrand/cv](https://github.com/eringrand/cv).

Last updated on 2022-10-02.

2016
|
2015



Data Scientist

Crisis Text Line

📍 New York, NY

- Built and shipped a new volunteer application that 7600 applicants used. Increased the completion rate from 40% to 90%
- Identified trainee drop-off times for trainers. Produced cohort reports of training metrics. Identified key differences among cohorts to provide trainers with new solutions
- Identified counselor churn as the most significant organizational priority and set up tracking, reporting, and analysis of key metrics

2016
|
2014



Data Librarian / Software Engineer

NASA Goddard Space Flight Center

📍 Greenbelt, MD

- Reformatted science data images to be compatible with WMS tile servers. Images are a part of the educational Science on a Sphere and NASA Earth and Space Observatory programs.
- Designed traveling Hubble Space Telescope exhibits' new iPad kiosks using HTML, JavaScript, and Kiosk Pro



TEACHING EXPERIENCE

2014
|
2010



Teacher's Assistant

University of Maryland

📍 College Park, MD

- Developed discussion activities, motivated group discussion and peer learning, incorporated technology resources such as educational online videos, and graded assignments
- Received award for Excellence and Innovation in Undergraduate Teaching in the I-Series Courses



SELECTED DATA SCIENCE WRITING

2021



Nonprofit Data Science Jobs⁴

eringrand.github.io

2017



R in the World of Education⁵

eringrand.github.io



[Text Analysis of The Lizzie Bennet Diaries

](https://eringrand.github.io/lizziebennet_textmining/)

📍 eringrand.github.io

2017

I am passionate about education. I believe that no topic is too complex if the teacher is empathetic and willing to think about new methods of approaching task.

NA



SELECTED PRESS (ABOUT)

2015



A Q & A with Erin Grand, Data Scientist at Crisis Text Line⁶

Data Science Institute



MEMBERSHIPS

current

|
2019



R-Ladies NYC board member

R-Ladies NYC



LINKS

1: https://www.nasa.gov/mission_pages/swift/bursts/uv_andromeda.html

2: <https://apod.nasa.gov/apod/ap101027.html>

3: NA

4: <https://eringrand.github.io/datasciencejobs>

5: <https://eringrand.github.io/education-data/>

6: <https://www.datascience.columbia.edu/q-erin-grand-data-scientist-crisis-text-line>



HOBBIES:

Royal Scottish Country Dancing, Singing, Board Games