

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.



EDUCATION

- 2016 | 2014
● **M.S., Data Science**
Columbia University
New York, NY
- 2014 | 2011
● **M.S. Astronomy**
Unvisity of Maryland
College Park, MD
- 2011 | 2007
● **B.S., Astronomy and Physics**
Unvisity of Maryland
College Park, MD



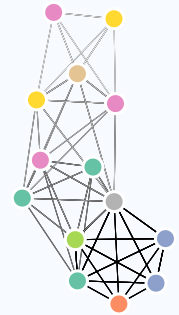
RESEARCH EXPERIENCE

- 2014 | 2011
● **Research Assistant**
Unvisity of Maryland
College Park, MD
 - Researched the formation mechanisms of molecular pillars, such as the Eagle nebula's Pillars of Creation
 - Compared CARMA observations of high density gas to model predictions. Created 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 to produce a three-colored ultraviolet image of the Andromeda galaxy
 - Image has been featured on Astronomy Picture of the Day twice since publication
 - Developed bash shell scripts to manually set the aspect correction of images from the Swift satellite allowing the data to used in further research



INDUSTRY EXPERIENCE

- current | 2016
● **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 recruitment, and staff recruitment.
 - Lead 6+ group traingings on the R proگرامing langague for coworkers
 - Set up automatic connections to databases to allow for automatic nightly refreshes of data analyses

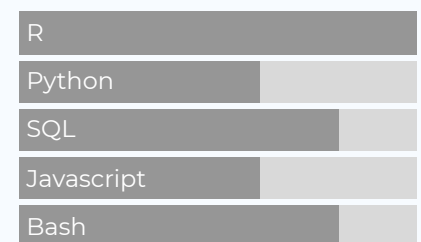


View this CV online with links at eringrand.github.io

CONTACT

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

LANGUAGE SKILLS



RELEVANT COURSES

Algorithms, Statistical Inference, Data Visualization, R Programming, Machine Learning, Social Science, Core Methods in Education. The source code is available on github.com/eringrand/cv.

Last updated on 2020-06-18.

2016
|
2015



Data Scientist

Crisis Text Line

📍 New York, NY

- Built and shipped a new volunteer application that was used by 7600 applicants. 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 largest 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. Products are used as 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 KioskPro



TEACHING EXPERIENCE

2014
|
2010



Teacher's Assistant

Univisity 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

2017



R in the World of Education²

eringrand.github.io

2017



Text Analysis of The Lizzie Bennet Diaries

eringrand.github.io

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 Line³

Data Science Institute



MEMBERSHIPS

current
|
2019



R-Ladies NYC board member
R-Ladies NYC



LINKS

1: NA

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

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



HOBBIES:

Royal Scottish Country Dancing, Singing, Board Games