

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

RESEARCH EXPERIENCE

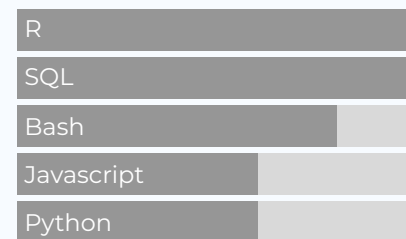
- 2014
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2011
● **Research Assistant**
University of Maryland
College Park, MD
 - Researched the formation mechanism of molecular pillars such as the Eagle Nebula's Pillars of Creation
 - Used python and IDL to compare observations of high-density gas to model predictions. Visualized, analyzed, and presented on the results
 - Ran the observations at CARMA observatory for 2+ weeks yearly
- 2011
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2010
● **Summer Intern**
NASA Goddard Space Flight Center
Greenbelt, MD
 - Performed analysis in perl 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

CONTACT

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

LANGUAGE SKILLS



RELEVANT COURSES

dbt, docker, aws redshift

I have 10+ years working with data. I thrive in environments where I can learn from my peers. *Made with the R package [pagedown](https://github.com/josiahpage/pagedown).*

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

Last updated on 2024-07-22.

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 attrition/recruitment. Excellent communication with stakeholders throughout the analysis projects.
- Daily use of R and SQL to interact with data stored in AWS Redshift. Produced clean working data sets with dbt and git.
- Lead 6+ group trainings on the R programming language for 10+ coworkers, created git training and policies to introduce git to the team
- Automated annual state exam reporting using R saving 10+ hours of processing time

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

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

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



SELECTED PRESS (ABOUT)

2015

- **A Q & A with Erin Grand, Data Scientist at Crisis Text Line⁶**
Data Science Institute



MEMBERSHIPS

- **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