

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

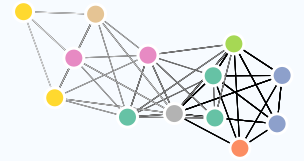
- 2016
|
2014
- **M.S., Data Science**
Columbia University 📍 New York, NY
 - **M.S. Astronomy and B.S., Astronomy and Physics**
University of Maryland 📍 College Park, MD
- 2014
|
2007

RESEARCH EXPERIENCE

- 2014
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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 CARMA observations of high density gas to model predictions. Created IDL and Python scripts to process, analyze, and display the results
 - **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
- 2011
|
2010

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 enrollment, and staff recruitment.
 - Lead 6+ group trainings on the R programming language for 10+ coworkers
 - Automated manual state exam reporting process saving 6+ hours of processing time

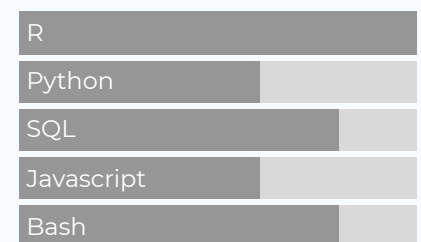


View this CV online with links at eringrand.github.io

CONTACT

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

LANGUAGE SKILLS



I have 5+ years working with data science in various domains where I can learn from my peers. Algorithms, Statistical Inference, Data Visualization, Machine Learning, Modeling Social Science, Core Methods in Educational Data Mining. [page-down. The source code is available on github.com/eringrand/cv.](https://github.com/eringrand/cv)

Last updated on 2020-06-23.

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 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

2017



R in the World of Education⁴

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 Line⁵

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



HOBBIES:

Royal Scottish Country Dancing, Singing, Board Games