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 | 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 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 from the Swift observatory to produce a three-colored ultraviolet image of the Andromeda galaxy[1]
- Image has been featured on Astronomy Picture of the Day[2] 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 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
- ⌂ github.com/eringrand
- 🔗 eringrand.github.io
- in linkedin.com/in/eringrand

LANGUAGE SKILLS

Skill	
R	
Python	
SQL	
Javascript	
Bash	

RELEVANT COURSES

Algorithms, Statistical Inference, Data Visualization, Machine Learning, Modeling Social Science, Core Methods in Educational Data Mining

I have 5+ years working with data. I thrive in environments where I can learn from my peers.

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 Education[4]
eringrand.github.io

2017

Text Analysis of The Lizzie Bennet Diaries
eringrand.github.io

SELECTED PRESS (ABOUT)

2015

A Q & A with Erin Grand, Data Scientist at Crisis Text Line[5]
Data Science Institute

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

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