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**
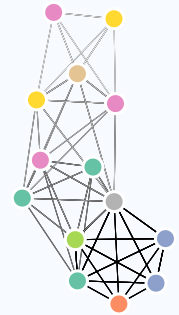Unvisity of Maryland
📍 College Park, MD

💻 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 trainings on the R programing langague for coworkers
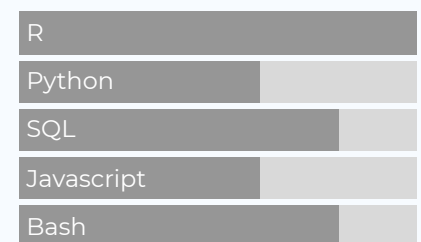· Set up automatic connections to databases to allow for automatic nightly refreshes of data analyses

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

CONTACT

✉ eringrand@gmail.com
🐦 astroeringrand
⌗ github.com/eringrand
🔗 eringrand.github.io
in linkedin.com/in/eringrand

LANGUAGE SKILLS

R	
Python	
SQL	
Javascript	
Bash	

RELEVANT COURSES

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

Made with the R package pagedown.
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
Unvisity of Maryland   📍 College Park, MD

· Developed discussion activities, motivated group discussion and peer learn- ing, 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[2]
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[3]
Data Science Institude

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: 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