

# 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

University of Maryland

📍 College Park, MD

2011  
|  
2007

### B.S., Astronomy and Physics

University of Maryland

📍 College Park, MD



## TECH 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 programming language for coworkers
- Set up automatic connections to databases to allow for automatic nightly refreshes of data analyses

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

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

## CONTACT

✉ [eringrand@gmail.com](mailto:eringrand@gmail.com)

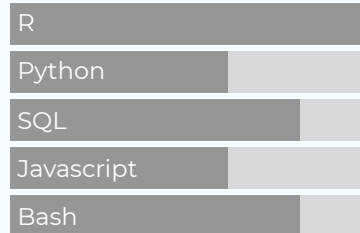
🐦 [astroeringrand](https://twitter.com/astroeringrand)

🐙 [github.com/eringrand](https://github.com/eringrand)

🔗 [eringrand.github.io](https://eringrand.github.io)

🌐 [linkedin.com/in/eringrand](https://linkedin.com/in/eringrand)

## LANGUAGE SKILLS



## RELEVANT COURSES

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

## MEMBERSHIPS

**R-Ladies NYC board member**



## 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 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 be used in further research