

ERIN GRAND



EDUCATION

2016
|
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



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 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

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



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 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

CONTACT

✉ eringrand@gmail.com

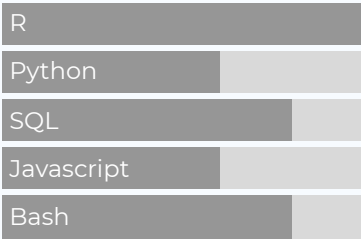
🐦 [astroeringrand](https://twitter.com/astroeringrand)

🐙 github.com/eringrand

🔗 eringrand.github.io

🌐 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 2020