

ERIN GRAND



EDUCATION

- 2016
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2014

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M.S., Data Science
Columbia University

New York, NY
- 2014
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2007

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M.S. Astronomy and B.S., Astronomy and Physics
University of Maryland

College Park, MD



TECH EXPERIENCE

- current
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2016

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Senior 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
- 2016
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2015

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Data Scientist
Crisis Text Line

New York, NY

- Built and shipped a new volunteer application that 7600 applicants used. 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 most significant organizational priority and set up tracking, reporting, and analysis of key metrics
- 2016
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2014

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Data Librarian / Software Engineer
NASA Goddard Space Flight Center

Greenbelt, MD

- Reformatted science data images to be compatible with WMS tile servers. Images are a 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
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2011

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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 observations of high density gas to model predictions. Wrote IDL and Python scripts to process, analyze, and display the results
- 2011
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2010

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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
- | Language | Proficiency Level (0-100%) |
|------------|----------------------------|
| R | 100% |
| Python | 80% |
| SQL | 100% |
| Javascript | 80% |
| Bash | 80% |
- ## 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