ERIN GRAND

🎓 EDUCATION

2016
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2014

M.S., Data Science
Columbia University
📍 New York, NY

💼 TECH EXPERIENCE

2024
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2016

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 attrition/recruitment. Excellent communication with stakeholders throughout the analysis projects.
- Daily use of R and SQL to interact with data stored in AWS Redshift. Produced clean working data sets with dbt and git.
- Lead 6+ group trainings on the R programming language for 10+ coworkers, created git training and policies to introduce git to the team
- Automated annual state exam reporting using R saving 10+ hours of processing time

2016
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2015

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 key drop-off points for trainees. Produced cohort analyses of key metrics. Identified unique differences among cohorts to provide trainers with new solutions
- Identified counselor churn as the most significant organizational priority and developed automated tracking, reporting, and analysis of key metric

2016
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2014

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

Research Assistant
University of Maryland
📍 College Park, MD

- Researched the formation mechanism of molecular pillars such as the Eagle Nebula's Pillars of Creation
- Used python and IDL to compare observations of high-density gas to model predictions. Visualized, analyzed, and presented on the results
- Ran the observations at CARMA observatory for 2+ weeks yearly

2011
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2010

Summer Intern
NASA Goddard Space Flight Center
📍 Greenbelt, MD

- Performed analysis in perl 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 be used in further research
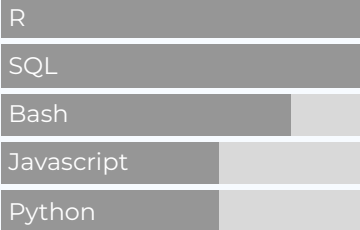
CONTACT

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🔗 eringrand.github.io
in linkedin.com/in/eringrand

LANGUAGE SKILLS

R	
SQL	
Bash	
Javascript	
Python	

RELEVANT SKILLS

dbt, docker, aws redshift

RELEVANT COURSES

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

MEMBERSHIPS

R-Ladies NYC board member 2020