



RYAN GAO

DEVELOPER, DATA ANALYST

SUMMARY

Developer with background in astrophysics seeking entry into the software and data industries. Extremely motivated to develop my career and expand my tech horizons.

EDUCATION

Data Science Micromaster Certificate, MITx Online, 2019

UC Berkeley
B. A., Astrophysics, 2016

Full Stack Development Certificate, UCLA Ext., 2019

CONTACT

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Website: rgao.github.io

SKILLS

- Python, IDL
- R / RStudio
- HTML, CSS, javascript
- MERN Framework/ReactJS
- SQL, MSSQL, MongoDB
- Data Analysis / Visualization
- Docker
- Math: Linear Alg., MVC
- Statistical Regression/Testing
- Signal Processing
- Machine Learning -Elementary Algorithms
- Informative Writing

EXPERIENCE / PROJECTS

Hack for LA

VOLUNTEER, CURRENT

- Data Analysis for 311 data

Projects

2016 - CURRENT

- Detecting nearby radio stations and cellphone transmission and visualizing the data (internship)
- Simple HTML/CSS website for local coffee shop
- Simple MERN app for news scraping (boot camp)
- HTML/CSS Solar System Visualization with graphs

Berkeley SETI

RESEARCH INTERN, MAY 2016 - AUGUST 2016

- My research internship focused on signal processing methods using Python to filter out radio frequency interference (RFI).
- My work is saved as Jupyter notebooks as a learning tool for future interns and astronomy students.