



# 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

ryanxingao@gmail.com  
 /ryan-gao-46a4312b/  
Github: [github.com/rgao](https://github.com/rgao)  
Website: [rgao.github.io](http://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-call data
- Data & development for LA metro-ontime

#### 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.