

# Zhengshi Zhao

New York, NY

1-203-430-3245

[zhao.zhengshi@gmail.com](mailto:zhao.zhengshi@gmail.com) | [github.com/zhengshizhao](https://github.com/zhengshizhao) | [linkedin.com/in/zhengshizhao](https://linkedin.com/in/zhengshizhao) | [public.tableau.com/profile/zhengshizhao](https://public.tableau.com/profile/zhengshizhao)

## Technical skills

**Proficient:** JavaScript, AngularJS, NodeJS, Express, Mongoose, MongoDB, HTML5, CSS, Bootstrap

**Knowledgeable:** Python, Shell Script, SQL, LaTeX, Linux, Promise, Mocha, Chai

**Some experience:** R, Tableau Public, Jasmine, JS-Data, Sock.io, Ajax

## Education

**Grace Hopper Academy**

New York, NY

**Software Engineering Immersive Program**

Jan. 2016 – Apr. 2016

**The Graduate University for Advanced Studies, School of Physical Sciences**

Tokyo, Japan

**Ph.D. in Astronomy** Japanese Government Scholarship (MEXT), awarded in 2009

Oct. 2009 – Sep. 2012

**University of Chinese Academy of Sciences, National Astronomical Observatories, CAS**

Beijing, China

**M.Sc. in Astrophysics**

Sep. 2006 – Jul. 2009

**Nanjing University, Department of Astronomy**

Nanjing, China

**B.Sc. in Astronomy**

Sep. 2001 – Jun. 2006

## Technical Experience

**Grace Hopper Academy – Full stack developer**

(\* indicates personal project)

- **Coder Notes:** Deployed a notebook application for managing both text notes and in-app executable code using Angular markdown and TonicDev tools. [codernotes.herokuapp.com](https://codernotes.herokuapp.com) | [github.com/ksenia0822/GHA-Capstone](https://github.com/ksenia0822/GHA-Capstone)
- **Talking recipes\*:** Created interactive recipe website with recipe API. Used Web Speech API to generate audio recipe instructions and to play recipes with voice control. [github.com/zhengshizhao/talking-recipes](https://github.com/zhengshizhao/talking-recipes)
- **Classroom Surveillance Camera:** Built a server to remotely control Tessel camera module by interacting with the server built on Tessel board. Won Tessel Hackathon First Prize. [github.com/zhengshizhao/tessel-hackathon](https://github.com/zhengshizhao/tessel-hackathon)

## Research Experience

**National Astronomical Observatory of Japan**

Tokyo, Japan

**Graduate Research Fellow**

Oct. 2010 – Sep. 2012

- Performed data processing and data analysis for spectroscopic data observed with Subaru Telescope (Hawaii).
- Applied iterative method and linear fitting to measure objects' parameters.

**University of Padova**

Padova, Italy

**Visiting Researcher**, Research abroad program

Feb. 2012 – Mar. 2012

- Wrote programs to perform data classification, spatial distribution analysis and data visualization with 50+ datasets, each of them including 10,000+ ~ 150,000+ objects.

Additional research and education information:

<http://zhengshizhao.altervista.org/ZhengshiZhao.htm>