

WEI-CHIH HUANG

EDUCATION

[Email](#) ◇ [Linkedin](#) ◇ [Github](#) ◇ [Personal Website](#)

PhD in Physics, Texas A&M University, US
BS in Physics, National Tsing Hua University, Taiwan

June 2025 (expected)
June 2019

PROJECTS

Aggie Job Referral Django, SQLite, PostgreSQL, Heroku, Bootstrap

[website link](#)

- Create referrals/openings matching website to reduce the time of networking by 40%.
- Connect Django to database
- Deploy to Heroku

PyBigstick NumPy, Pandas, Matplotlib, Streamlit, Docker

[github link](#)

- Auto-generate input scripts for [BIGSTICK](#)
- Save 95% of time writing input scripts
- Automize the analysis processes
- Visualize the result data with Streamlit
- Virtualize the app with Docker

Pro Cyclists Race Analysis NumPy, Pandas, BeautifulSoup

[github link](#)

- Web scraping the data from an organization website by BeautifulSoup
- Increase the web scraping speed by 5 times with multi-threading

Curve Fitting GUI SciPy, NumPy, Matplotlib, PyQt

[github link](#)

- User friendly graphical user interface tool for curve fitting

EXTRA-CURRICULAR ACTIVITIES

- Project Manager at [Aggie Coding Club](#)
- Data Science Ambassador representing Physics Department at Texas A&M

HONORS AND AWARDS

- **FlyUP Project Scholarship** 2015-2018
Tuition waiver, including housing and textbooks
- **Undergraduate Research Scholarship** Fall 2018
The scholarship for the New Gravity Theory
- **Data Science Ambassador Scholarship** 2022-2023
Data Science Ambassador Scholarship Program at the Texas A&M Institute of Data Science