

Hua-Ying Tsai

Full-Stack Engineer | <https://github.com/huaying>

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Experiences **Full-Stack Engineer, LeetCode, 2016.10 - Present**

Developed and improved programming learning platform **LeetCode**, helping over 1M leetcoders prepare for interviews.

Developed real-time collaborative coding tool **LeetPad** and coding assessment management platform **Codential** to help ourselves and other companies interview 1000+ candidates.

Designed an email service to support sending all of 200,000+ campaign emails within 2 hours, increasing productivity by 5X.

Python, Django, Javascript, React, GraphQL, Celery MQ

API Engineer, Yahoo Search Marketing, Taiwan, 2012.9 - 2013.10

Developed a suite of products to support displaying Yahoo's keywords ads on 10+ channels, improving the accuracy of ad listings and increasing the revenue by 15%.

Developed and maintained an advertising platform **SoEasy**, helping 6000+ customers build their business.

LAMP, Javascript, jQuery, Bootstrap

Projects **Ins-Crawler**

Developed an Instagram Crawler to crawl Instagram posts/profile/hashtag data without using the official API.

Developed an Instagram bot to "like" posts according to chosen hashtags.

Python, Selenium, Travis CI

Faceoff

Developed a two-player fighting game, which was invited to the USC GamePipe Showcase 2015.

Swift, SpriteKit, Bluetooth technology

3D Tetris Game

Built a creative 3D Game Tetris, supporting scene rotation and cube's 3 dimensional rotation.

Flash, Actionscript

Education **University of Southern California, 2014 - 2016**

M.S., Computer Science, GPA 3.92

National Chiao Tung University, Taiwan, 2007 - 2011

B.S., Computer Science, GPA 3.6

Skill **LANGUAGES:** Javascript (React, Redux, Apollo, Webpack, ES6+, Node.js), Python (Django), Java, C++/C

DATABASES: MySQL, Redis, MongoDB

OTHERS: Linux, Vim, Nginx, Docker, version control, continuous integration