

TAO ZHOU

Full Stack Engineer, focus on web, crazy about web!

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› EDUCATION



CORNELL
2015.8 - now
GPA: 3.93

M.P.S in Information Science, Cornell University

Courses: Software Engineering, Machine Learning, Database System, Game Design, Rapid Prototyping, Operating System, Intro to Algorithm

THU
2009 - 2013

B.E. in Environment Science, Tsinghua University

› WORK EXPERIENCE



Sohu.inc
April 2013 - July 2014

Product Manager at Sogou Search (Fulltime)

- In charge of the Image Search (a team of 20), focusing on image search optimization
- Responsible for 3 major updates including rewriting the whole website with responsive layout and new image recognition features which greatly improved the amount of active users

Zhihu
Nov 2012 - Jan 2013

Product Manager at Search R&D (Intern)

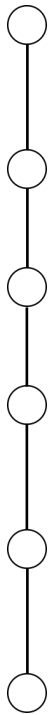
- Improved the user experience of search by optimizing the design and features of search
- Responsible for 2 major updates of search page which significantly enhanced user experience

Tencent
June 2012 - Sep 2012

Product Designer & Operator at News Group (Intern)

- Designed a backend platform and 5 customizable templates for real-time news release in London Olympics
- Conducted 3 rounds of user research to simplify the operation workflow

› PROJECT EXPERIENCE



Feedpusher
Dec 2015 - now

Creator of Feedpusher - a web-based RSS reader

- Programed in AngularJS, NodeJS and Socket.io, packaged with npm (before rewrote, used python and plain JS)
- Cross-platform support including chrome app, chrome extension, web version,, android app packaged by phone gap
- Customized extendable spider module and dynamic scheduling crawling algorithm
- Collected 1M+ posts and subscribed by 500+ users since launched

Tech Blog
July 2015 - now

Owner of a Technical Blog - <http://taoalpha.me/blog>

- Built with hexo and customized with personal theme(HTML/CSS3/JS/NodeJS)
- Wrote 150+ tech posts focusing on web development, UX and algorithms

GroupFinder
Aug 2015 - Dec 2015

Developer of GroupFinder - a meeting publish tool for Mann Library

- Set up the backend server with python-flask as the main framework, participated in designing RESTful APIs
- Responsible for responsive layout and all data interactions between the frontend and backend

BigRed
Hackathon
Sep 18-20, 2015

Developer of Big Red Transit - a local transportation info app

- Created the BRT Spider to crawl the local transportation data
- Set up with flask and constructed the website connecting the backend APIs

WeiRSS
Jun 2015 - Aug 2015

Co-founder of WeiRSS - a RSS generator for WeChat subscription

- Used python-django as the main framework, redis and nginx caching for cache management, and customized spider with Selenium and phantomJS
- Converted 1w+ subscriptions, peak value of pageview: 20w per day
- The project repository received 400+ stars and was recognized by 5 famous media in China

WHV@New
Zealand
Dec 2014 - May 2015

Freelance Web Developer

- Maintained a forum about Working Holiday Visa community, collected 100+ posts
- Took contract job as building websites for others

› SKILLS



Front End

JavaScript/ES6/CoffeeScript, HTML/5/Jade, CSS/3/SASS, Angular, Gulp, React

Back End

NodeJS, Python, MongoDB, PHP, MySQL, Ruby