Li Song

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🏴 English(fluent), Mandarin(native speaker)

https://notimportant.org

👥 Experience

Douban Beijing, China   Jun. 2014 – Present

Fullstack Engineer

Mainly worked on douban.fm, one of China's first music streaming and automated music recommendation radio service

- Design and maintain the RESTful API in Python and its Documentation for both internal clients and external commercial users
- Write unit test and api test to ensure the stability of the service
- Design the database schema and write backend for new feature on the site
- Design and implement GraphQL API in Python for the most recent version of the mobile APP
- Design and implement our multi-sources music metadata manager using Flask and GraphQL, match internal entities with other sources like MusicBrainz and iTunes
- Worked both with our old jQuery app as well as our new React.js single page app
- Optimized the backend speed for the request speed
- Help product and operation team with different data requirements
- Experience with web Audio API and batching processing of audio files

Douban Beijing, China   Jul. 2013 – Oct. 2013

Software Engineer Intern

Mainly worked on the internal web-based Git project manager in python: CODE(homegrown Github clone)

- Design and implement RESTful API for part of the project
- Work with jQuery and Python backend to implement various feature on the project UI
- Writing test for the codebase
- Experience of processing large dataset with DPark(Python fork of SPark)

Chinese Wikipedia/Wikidata   Jul. 2010 – Present

Volunteer

- Edit and translate articles in Chinese Wikipedia since 2010
- Contributed to the multilingual knowledge base Wikidata both from manual edits and batch edits by script
- Improve Chinese Wikipedia templates by bring more strucutral content from Wikidata
- Join Wikidata related discussions/conference, have proposed property for Wikidata
- Have experiences with writing SPRAQL queries for discovering interesting data from RDF
- Contributed to the Wikidata Query Service frontend code

Soundleaks   Oct. 2014 – Feb. 2017

Organizer

sound art/technology event in China

- Promote events about sound and new music in China
- Co-organize workshops and lectures about sound art/computer music and music in general
- Design and develop the homepage of the event
- Publish new events to the mailing list

🎓 EDUCATION

Xidian University, Xi'an, China   2010 – 2014

B.S. in Computer Science

⚙ SKILLS

- Programming Languages: Python, JavaScript, Ruby, CSS, HTML, SuperCollider
- Other: Git, HTTP, Unix Shell, SQL, GraphQL, RDF, SPRAQL, MySQL, Memcached, Redis, Django, Rails
- Audio: Sound Design, Audio Editing, Electronic Music Composition, Digital Signal Processing

📘 CERTIFICATES

Coursera: Functional Programming Principles in Scala, Certificate   Dec. 2012

Coursera: Introduction to Digital Sound Design, Certificate   May. 2013

Coursera: Introduction to Data Science, Certificate   June. 2013