

Objective:  
Software Engineer - Shanghai

# PIN(JASON) SUN

13018986758  
[sunp@whu.edu.cn](mailto:sunp@whu.edu.cn)  
<https://github.com/brightsunp>

## EMPLOYMENT

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<b>Machine Learning Engineer</b>	<b>Usho Network - Hangzhou</b>	<b>Summer 2018 - Present</b>
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### Politician alumni information mining

- NLP project: used Scrapy to crawl a large number of web pages in the early stage, Random-Forest model to discriminate and filter data in the medium term, and later CRF model to identify named entities.
- Responsible for designing the technical solution and overall architecture; developed an efficient and concurrent crawler module, optimized the accuracy of the models.
- Developed a hierarchical, deep crawling and concurrency strategy; made the project's data coverage high, structure clear and crawler efficiency improved several times.

### Article recommendation system

- NLP project: used unsupervised learning(LDA + KMeans models) to recommend 200, 000 articles.
- Responsible for the whole process of text preprocessing, feature extraction, model training, parameter tuning and database storage.
- Used simhash + joblib modules to achieve the incremental deduplication of the articles; got a deep understanding of the deduplication of massive data.

<b>Software Engineer</b>	<b>Huawei Technologies - Shanghai</b>	<b>Spring 2017 - Summer 2018</b>
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### 5G Continuous Integration group

- Responsible for developing and maintaining code quality protection tools; used multiple processes to reduce runtime by 60%.
- Developed and refactored commonly used tool classes, implemented tasks as automated scripts; won the team's *Star of the Future* award.

### Carrier GUI project

- Used wxPython to facilitate user operations on license files.
- Responsible for developing modules for data analysis, processing, storage, etc.; used gettext module to achieve Chinese-English switching.
- Participated in cross-checking of team code; designed and wrote test-driven code to make the project zero-defect delivery.

## EDUCATION

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	<b>University of Chinese Academy of Sciences</b>	
<b>Shanghai</b>	<b>Sciences</b>	<b>Fall 2014 – June 2017</b>

- Master of Engineering in Photogrammetry and Remote Sensing
- Graduate thesis related to Image Classification.

<b>Wuhan</b>	<b>Wuhan University</b>	<b>Fall 2010 – June 2014</b>
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- Bachelor of Science in Geo-Information Science
- Undergraduate thesis related to City Electronic Map.

## TECHNICAL EXPERIENCE

### Projects

- [blog](#) & [learn](#): Keep charging and record self-summary of study and work.
- [implement-ML-models](#): Handwrite ML models from scratch to deepen the understanding of algorithms.
- [dfld crawler](#): A simple Scrapy crawler to capture validation data for the resume-discrimination model.

## SELF-EVALUATION

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- Skills: Python, Algorithms, NLP, Linux, Node.js, MongoDB, etc.
  - Familiar with data structures and algorithms, as well as commonly used machine learning models.
  - Composite professional background, active in open source community, self-driven learning, excellent English literacy.
  - Eager for continuous technical accumulation, passionate in the culture of engineers.