

PENG DING

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OBJECTIVE

Looking for full time software engineering job starting summer 2017.

EDUCATION

New York University Sept. 2015 - May. 2017
M.S. in Computer Science, Courant Institute of Mathematical Sciences

South China University of Technology Sept. 2011 - July. 2015
B.E. in Software Engineering, School of Software Engineering

WORK EXPERIENCE

Walmart Global eCommerce Sunnyvale, CA
Software Engineer Intern June. 2016 - Aug. 2016

- Work in Walmart Performance Ads team, which is part of the Growth organization in @Walmart-Labs
- Migrate all the Ads campaign management APIs from Ruby on Rails stack to Java stack (Play + Hibernate) in order to achieve higher performance
- Build a distributed query & storage platform for real-time Ads clicks data using Druid
- Build an Apache Storm topology to process real-time Ads clicks streaming data from Kafka

EasilyDo Inc. Guangzhou, China
Software Engineer Intern Aug. 2014 - May. 2015

- Extract E-mail key information via DOM parsing and Regular Expressions Crawling
- Add features to internal platform tool (AngularJS + Python Django)

PROJECTS

NBA Players Quotes Search (Java, Lucene, MongoDB, AngularJS) 2016

- A search engine for NBA players quotes
- Implement a crawler in Java to collect 15000+ news articles from ESPN.com and NBA.com
- Implement a rule-based quotes extractor and successfully extract 34000+ quotes with 80%+ accuracy
- Use Lucene to build indexes for quotes search
- Use AngularJS to build a single page application as web UI
- Use typeahead.js to implement query autocomplete

Clan War Master (Python, Flask, MySQL, Bootstrap) 2015

- A web application that facilitate the management of game *Clash of Clans*
- Use lightweight Python web framework Flask for back-end
- Design and develop Restful APIs for a mobile app

Smart Music Robot (C++, QT) 2014

- A C++ software that can control the robot to sing and dance according to user's emotion
- Implement robot's speech synthesis and recognition using 3rd party APIs (iFLYTEK cloud speech engine)
- Use FaceTracker(OpenCV) and SVM algorithm to implement facial emotion recognition
- Use QT to implement software desktop UI

SKILLS

LANGUAGES: Python, Java, C++, Scala, HTML, CSS(Sass), Javascript, Shell

WEB DEV: Flask, Django, Play Framework, AngularJS, React

BIG DATA: Apache Storm, Apache Kafka, Druid

DATABASES: MySQL, SQLite, Oracle, MongoDB, Google Cloud Datastore