

Qimu Zheng

PERSONAL DATA

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EDUCATION

2011.9 - 2015.6 Bachelor of Computer Science
School of Electronic Engineering and Computer Science, Peking University
GPA: 3.66/4.00, Top 10%

2011.9 - 2015.6 Bachelor of Economics
National School of Development, Peking University
GPA: 3.64/4.00, Top 20%

2015.9 - Present Master of Computer Science
School of Electronic Engineering and Computer Science, Peking University
RANK: 2/26

DEVELOPMENT SKILLS

Programming Language	<ul style="list-style-type: none">Familiar with: Python, C++Project Experience: Java, C#, Ruby, Haskell, ScalaBasic knowledge: HTML, CSS, JavaScript
Distributed System	<ul style="list-style-type: none">Project Experience: Mesos, Marathon, SparkBasic knowledge: Hadoop, HBase
Database System	<ul style="list-style-type: none">Project Experience: MySQLBasic knowledge: MongoDB, PostgreSQL
Data Analysis & Machine Learning	<ul style="list-style-type: none">Familiar with: Pandas, Numpy, Scikit-learn, TheanoProject Experience: Scipy, Keras
Web Development	<ul style="list-style-type: none">Familiar with: Ruby on RailsProject Experience: Flask, Bootstrap, JQueryBasic knowledge: AngularJS
Others	<ul style="list-style-type: none">Familiar with: Git, LinuxProject Experience: DockerBasic knowledge: Perforce

INTERNSHIP

2014.7-2014.8	Morgan Stanley, Technology & Data <ul style="list-style-type: none">Massive code refactoring of an internal product for better design and testabilityImprove test coverage rate from 10% to 84%Provide 10 bug fixes and 3 new features for the product
2014.10	Wecash, Data and Machine Learning <ul style="list-style-type: none">Design and implement a distributed Weibo crawlerSetup and manage clusters with Mesos and MarathonDeploy code and related dependency with Docker

2014.11 - 2015.7	Puissance Capital, Analyst <ul style="list-style-type: none"> • Implement 200+ investment factors for the fund • Build a neural network based system for generating new investment factors • Build a neural network based system for strategy selection • Build an automating system for daily operation tasks
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FREELANCING

2016.3-2016.8	A RESTful backend for TourBible™ App <ul style="list-style-type: none"> • Test-driven development with Ruby on Rails and RSpec • Design, develop, test and deploy the whole backend • Integrate third-party payment service and support HTTPS requests
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PERSONAL PROJECT

SongFinder

- A music segment search engine implemented based on technical paper from Shazam™
- Search music segment based on frequency distribution obtained from Fourier transformation
- Provide robust search result in noisy environment

Minijava Compiler

- Implement a Minijava (a subset of Java) compiler in Java
- Compile Minijava to executable MIPS binary code

Parallel Implementations of Graph Mining Algorithms

- Implement the gSpan algorithm for frequent sub-graph mining in Scala
- Implement the VF2 algorithm for graph isomorphism testing in Scala

PUBLICATION

<i>A Method to Identify and Correct Problematic Software Activity Data: Exploiting Capacity Limits and Data Redundancies</i>	FSE 2015
<ul style="list-style-type: none"> • Top tier conference in Software Engineering, first author • Research on the data quality problem in software engineering research community • Discuss the threats to existing research posed by the data quality problem • Propose a method for correcting problematic activity data 	

<i>Product Assignment Recommender</i>	ICSE 2014
<ul style="list-style-type: none"> • Top tier conference in Software Engineering, second author • Research on issue triaging in open source community • Predict the probability of erroneous triage with statistical model 	

SCHOLARSHIP AND AWARDS

2012.9	Merit student of Peking University	2015.9	Outstanding student of China Computer Federation
2013.9	Wusi Scholarship	2016.9	Guorui Scholarship
2014.9	Wusi Scholarship		

LANGUAGES

MADARIN:	Native	ENGLISH:	Professional Proficiency
CANTONESE:	Native		

EXTRA-CURRICULAR ACTIVITIES

2011.10 - 2012.1	Peking University Freshman's Football Cup, Runners-up
2012.3 - 2012.6	Peking University Football Cup, Runners-up