

# Tao Lin

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## Education

Shanghai Normal University, China

Master of Computer Software and Theory Sep 2013 – present

Graduate with Distinction

China National Entrance Examination for Postgraduates waived based on outstanding undergraduate performance.

Department rank: 1, much higher than the second best.

## Double Bachelor Degrees

Shanghai Normal University, China

Bachelor of Computer Science and Technology Sep 2009 - Jul 2013

Graduate with Distinction

East China Normal University Shanghai, China

Bachelor of Business Administration Sep 2010 – Jul 2013

## Research Interests

### Software Engineering

Testing: 2 journal papers and 1 conference paper

Code Smells: 1 journal papers and this is the core of my Master's thesis (in process). Besides, I am writing an application for my supervisor to apply a National Natural Science Foundation of China's project based on my Master's thesis.

## **Image Processing**

SIFT Algorithm: 3 journal papers

## **Computer Network**

Small World Network (Undergraduate thesis gained the University Outstanding Undergraduate Thesis Award and 1 journal paper.)

## **Publications List**

### **Refereed Chinese Journal Papers as First Author**

1

**Tao Lin**, Jianhua Gao, Xue Fu, Yan Lin

A Container - Destructor – Explorer Paradigm to Code Smells Detection

Journal of Chinese Computer Systems, co-published by Chinese Academy of Sciences and China Computer Federation

2016/03

2

**Tao Lin**, Jianhua Gao

Graphic user interface testing based on Petri net

Application Research of Computers, published by Ministry of Science and Technology, China

2016/03

3

**Tao Lin**, Jianhua Gao, Xue Fu, Yan Ma, Yan Lin

Extraction Approach for Software Bug Report

Computer Science, published by China Computer Federation (CCF)

To appear in 2016/05

4

**Tao Lin**, Jifeng Huang, Jianhua Gao

Flame Detection Based on SIFT Algorithm and One Class Classifier with Un-determined Environment

Computer Science, published by China Computer Federation

2015 6A

5

**Tao Lin**, Jianhua Gao, Xue Fu, Yan Ma, Yan Lin

A Novel Direct Small World Network Model

Journal of Shanghai Normal University (Nature Sciences)

To appear in 2016/02

### **Conferences Papers as First Author**

6

**Tao Lin**, Jianhua Gao, Xue Fu, Yan Lin

A Novel Bug Report Extraction Approach

The First International Symposium on Dependability in Sensor, Cloud, and Big Data Systems and Applications (DependSys2015), Springer, EI indexed

### **Other Refereed Chinese Journal Papers**

7

FU Xue, MA Yan, **Tao Lin**

A Novel Image Matching Algorithm Based on Graph Theory

Computer Applications and Software, published by Shanghai Computer Society

To appear in 2016/08

8

FU Xue, MA Yan, ZhANG Xiangfen, **Tao Lin**, LI Shunbao, Zhang Yuping

An improved image segmentation algorithm based on Mean-Shift

Journal of Shanghai Normal University (Nature Sciences)

To appear in 2016/04

### **Submitted Papers**

9

Fu Xue, Ma Yan, Zhang Xiangfen, **Tao Lin**, Li Shunbao, Zhang Yuping

Using an Improved SIFT Algorithm and Graph Theory for Image Matching

PLOS ONE

## **Prose (in Chinese)**

Tao Lin

Vivid Lanzhou

Xinmin Daily, 2015/05/27

Tao Lin

Brave Courage on Nietzsche

Shanghai Normal University Weekly

## **Honors and Awards**

2014 China National Fellowship for Graduate Students awarded by Ministry of Education, China

This is the highest fellowship set up by China government. I am the only student getting this scholarship as a second-year student in the University (this scholarship awards to third-year students as an honor generally).

2015 the Highest Band Award in Shanghai Creation and Invention Fair

The only team represented SHNU, which I am the leader, won this award. Four champions selected by 133 teams at finals, which more than thousands teams participated the competition.

2014 National English Competition for College Students Third Prize for Band A

All the other winners in the University are majoring in English or TCFL (teaching Chinese as a foreign language).

2016 Shanghai Outstanding Graduates

2011, 2012 National Endeavor Scholarship awarded by Ministry of Education, China

### **Following honors awarded by Shanghai Normal University:**

2010, 2011, 2012, 2013, 2014 and 2015 Student Research Support and Key Support

There are no student gets more than me.

2015 Science Fair Award

2015 Internet Fair Award

2014 Excellent Student Award

2014 Creation and Invention Award

2014 Outstanding Academic Research Ability Award

2014 Student Research Competition First Prize

2016 Student Research Competition Award

2015 Student Research Project supported by the Graduate School

2014 Student Research Fair Award

2013 Graduate with Distinction

2013 Excellent Student for Creative Research

2013 Outstanding Undergraduate Thesis Award

2011, 2012 Excellent Student Scholarship

### **Teaching Experience**

Teaching Assistant:

Software Reliability and Technology

Digital Image Processing

Digital Signal Processing

Computer Networks and Communications

Wireless Network

Advanced Web Development and Application Technology

### **Industry Experience**

Bureau of Information Technology, Gansu, China Post

In the past, the new employees need to apply a work Email manually. I independently developed a software to help employees' application for work Email automatically.

## **Volunteer Experience**

2010 shanghai World Expo volunteer

## **English Proficiency**

IELTS: 7

## **Reference**

My Master's Supervisor:

Prof. Jianhua Gao

Vice President of Shanghai Normal University

Email: jhgao@shnu.edu.cn

My Undergraduate Thesis Supervisor:

Prof. Luqun Li

Dean of Department of Computer Science, Shanghai Normal University

Email: success@shnu.edu.cn

I have co-authored five papers with:

Prof. Yan Ma

Chief of Computer Software and Theory, Shanghai Normal University

Email: ma-yan@shnu.edu.cn