

Jiixin Wang

E:mail: jiixinwang1996@gmail.com

Telephone: (86) 131-3619-6599

Address: College of Mathematics and Information Engineering,
Zhejiang Normal University, Jinhua, 321004, P. R. China

EDUCATION BACKGROUND

Software Engineering

College of Mathematics and Information Engineering, Zhejiang Normal University June.2018

CSC funded excellent undergraduate program

University of Wollongong, Wollongong, Australia July.2017-Jan.2018

General GPA: 3.76

Major GPA: 3.8

Ranking: 1/40

CORE COURSES

Calculus, Linear Algebra, Discrete Mathematics, Probability and Statistics,
Algorithms and Data Structures, Advanced Programming,
Big Data Analysis, Computer Vision, Computer Network, Database Application,
Game Development, NP-complete Algorithm, Introduction of Robot, etc

RESEARCH INTEREST

Machine learning, Computational biology, Computer Vision, Artificial intelligence, etc.

RECORDS OF STANDARD TESTS

IELTS	7 (Listening 6.5, Reading 8, Writing 6.5, Speaking 6.0)	Sept.2017
GRE	322 (Q:168,V:154,W:3.0)	Oct.2018

RESEARCH EXPERIENCE

1.Undergraduate research assistant at Zhejiang Normal University

School project: Medical image ROI extraction September.2014-November.2015

- Participated a project that uses brain magnetic image resonance to extract medical image
- Implemented an image segmentation algorithm in MATLAB which shows Active Contour Model has better performance

School project: Image recognition based on facial expression October.2015-March.2016

- Worked on a project called image recognition based on facial expression, performed the face detection and eye localization.

Provincial Issue: Implementation of plant image searching engine based on Android platform October.2016-Jan.2018

- Served as Principle Investigator sponsored by the Zhejiang Students Innovation Activity Plan
- Trained five classifications by using Tensorflow framework and developed an Android app called

Plantpano

Online Stanford Systematic Research on AI

August.2016-September.2016

- Constructed deep learning platform
- Trained and compared several CNNs performance on image classification based from ImageNet

2. Join the group in Zhejiang University

National Issue: Archeological Software Development

September.2016-July.2017

- Archeological multi-source database based on web GIS
- Visualization of multi-source data and implement
- Software registration (Second Author, 2017SR162221)

National Issue: Wavelet Noise Remove

January.2017-September.2018

- Strip noise removal for airborne radar data by using wavelet and 2D FFT filtering
- My job is the code implement
- Finished a paper for submission (Third author)

3.Visiting student at University of Wollongong

Remote Photoplethysmography

August.2017-June.2018

- Implement and improve the platform of remote photoplethysmography
- Present an efficient non-contact heart rate measurement based on CIELab color space
- Publish a paper on BIBE2018 conference

OTHER EXPERIENCE

Internship in Arcsoft Inc.

January.2018-present

Work on alive detection and object tracking algorithm

Team leader of Mathematical Modeling Contest

September.2014-July.2017

Information Engineering Department, Zhejiang Normal University

Teaching Assistant

September.2015-November.2015

Information Engineering Department, Zhejiang Normal University

Secretary of the Students Union

October.2014-June.2015

College of Mathematics and Information Engineering, Zhejiang Normal University

Tutor for Informatics Olympiad Contest

October.2015-March.2016

Jinhua, Zhejiang

Anniversary volunteers

September.2017

Zhejiang Normal University

PUBLICATIONS

Paper

1. **Jiaxin Wang**, Philip O. Ogunbona, Jianmin Han, Bangbing Wang, An efficient non-contact heart rate measurement based on CIELab color space.// IEEE: International Conference on Biological Information and Biomedical Engineering. Shanghai, China, 2018, pp. 1-4.
-

2. Bangbing Wang, Bo Sun, **Jiaxin Wang**, Jamin Greenbaum, Jingxue Guo, Laura Lindzey, Xiangbin Cui, Duncan A. Young, Donald D. Blankenship, Martin J. Siegert, Removal of ‘strip noise’ in airborne radio-echo sounding data using combined wavelet and 2D FFT filtering,(accepted)

Patent

1.Bangbing Wang, **Jiaxin Wang**, Gang Tian, Zhanjie Shi and Wenke Zhao, A electrical-resistivity-tomography method and exploring system based on random distributing eletrodes. Patent number: 20181034821048.5, (PCT application)

2. Bangbing Wang, Bo,Sun, **Jiaxin Wang**, Gang Tian, ZHanjie Shi and Wenke Zhao, A recognition method for ice crystal fabric and distribution of ice flow field in ice sheet based on polarimetric radar. Patent number: 201811257205.2, (PCT application)

Software Registration

1. **Jiaxin Wang**, Yichuan Wu, Jianmin Han, Mingchao Fang, Jieru Zhu, Plant recognition platform, **PlantPano**, 2017SR243553, April.2017

2.Xuqi Wang, **Jiaxin Wang**, Bangbing Wang, Gang Tian, Wenke Zhao, Zhanjie Shi, Linzhe Yu, Visualization platform for archaeological geophysical data, 2017SR162221, Feb.2017

AWARDS

Excellent Graduate of Zhejiang Province	June 2018
Government Scholarship, Zhejiang Province	2015-2017
Honorable Mention in COMAP's Mathematical Contest in Modeling (MCM)	March.2016
Mathematical Contest in Modeling Third provincial-level	Sept.2016
2016 Certificate Authority Cup Internet challenge round Meritorious	April.2016
2015 Certificate Authority Cup MATHEMATICAL CONTEST Meritorious	Nov.2015

SKILLS

- Proficient programming skills and experience (C++, Java, Python, Matlab/R)
 - Experienced in data analysis and image processing
 - Strong logical and analytical approach to problem solving
 - Well in Linear Algebra, Discrete, and Mathematical analytical knowledge
 - Knowing about biomedical related area
-