Jiaxin Wang

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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: 3.75　　　**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

Artificial intelligence, Computational biology, Machine Learning, 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-present

• 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 company QA team   January.2018-June.2018
Work on alive detection project for mobile application
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 explorating 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.Plant recognition platform, **PlantPano**, 2017SR243553, April.2017
2.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