ZHIQING HONG

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EDUCATION

Zhejiang University *09/2017 - 03/2020*
M.Eng., Department of Computer Science
GPA: 85.9/100
Rank: 13/52 (1th year), 3/52 (2nd year)

Xidian University *08/2013 - 07/2017*
B.Eng., School of Software Engineering
GPA: 86.4/100
Rank: 4/56 (overall), 5/433 (3rd year)

RESEARCH INTERESTS

Machine learning and data mining,
Multimodal Information retrieval,
Medical data analysis,
Explainable machine learning

RESEARCH EXPERIENCE

Core member, 3D mesh classification with neural network 01/2020 - present
· Research intern at the State Key Lab of CAD&CG, Zhejiang Unviersity
· Research on quality inspection of 3D dental model with multi-view CNN

Team leader, GANs and Affective Computing 03/2019 - 07/2019
· Research on GANs application on time series data in emotional state classification

Team leader, Anomaly detection in time series via deep learning 12/2018 - 05/2019
· Research on Convolutional Neural Network (CNN) for anomaly detection in ECG data

Team leader, Time series data classification through machine learning 03/2018 - 12/2018
· Literature review for medical data mining, ECG data analysis and classification
· Propose a cascaded classier and feature fusion method for disease classification in heartbeat

Core member, Natural language Q&A via information retrieval 07/2016 - 06/2017
· Research on internet-based question answering system, information retrieval, and NLP

SELECTED AWARDS

National Scholarship, China (top 2%)	2019
Merit Student, Zhejiang University	2019
Silver Medal Award of Academic Presentation, Ningbo (top 10%)	2019
Suzhou Yucai International Exchange Scholarship, Zhejiang University	2019
The Excellent graduate student Award, Zhejiang University	2018,2019
First Prize of Mathematical Modeling, Xidian University (top 10%)	2016
Second Level scholarship, Xidian University	2016

First Level scholarship, School of Software Engineering, Xidian University (top 2%)	2016
National Endeavor Scholarship, China (top 5%)	2015
Excellent Club Chairman Award	2015
First Level scholarship, School of Software Engineering, Xidian University (top 6%)	2015

PUBLICATIONS

Journals

· Genlang Chen, **Zhiqing Hong**, Yongjuan Guo, and Chaoyi Pang. A cascaded classifier for multi-lead ecg based on feature fusion. Computer Methods and Programs in Biomedicine, 2019.(IF=3.424)

· Genlang Chen, **Zhiqing Hong**, Yi Zhu, and Zhen Yang. A framework for emotional states identification via single modal ECG signal. Submitted to Cognitive, Affective, & Behavioral Neuroscience.(IF=2.661) **(under review)**

· Genlang Chen, **Zhiqing Hong**, Chenglong Ma, Maolin Chen and Chaoyi Pang. A Multi-model fusion ECG ResNet for Cardiovascular Abnormal Detection. Submitted to BMC Medical Informatics and Decision Making.(IF=2.067) **(under review)**

Conferences

· Genlang Chen, Yi Zhu, **Zhiqing Hong**, and Zhen Yang. EmotionalGAN: Generating ECG to enhance emotion state classification. In Proceedings of the 2019 International Conference on Artificial Intelligence and Computer Science, pages 309–313. ACM, 2019.

SKILLS

Language skill

· IELTS (2019.01)   Listening: 8.0; Reading: 8.0; Writing: 6.0; Speaking: 6.0; Overall: 7.0
· GRE (2019.09)   Verbal:154 (64%); Quantitative:170 (96%); Analytical Writing:3.5 (39%)

Technique skill

· programming language: C++, C, Python, Java, MATLAB
· deep learning framework: Tensorflow, Keras, PyTorch

OTHER EXPERIENCES

Academic visit to Universidade Estadual de Campinas (Unicamp), Brazil	11/2019
Academic visit to NUS and NTU, Singapore	01/2019
Volunteer at Very Large Data Bases (VLDB) summer school, Ningbo, China	07/2018
Volunteer at International Graduate Scholarship Fair, Hangzhou, China	10/2017