

Gaoxing Zheng

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Contact Address: Songhu Road No. 2005, Yangpu District, Shanghai city, China

Skill : Matlab(4)/Java(3)/Python(2) [level scale : 1-5]

Github : <https://github.com/GaoxingZheng>

EDUCATION

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|-----------|---|---------------------|
| MS | Fudan University (985), Shanghai, China
MS in Computational Neuroscience, advised by Prof. Yuguo Yu
GPA : 3.526/4.0 | Sep 2016 - Present |
| BS | Huazhong University of Science and Technology (985), Wuhan, China
Dual degree in Computer Science and Technology, 50 credits | Mar 2014- Jul 2016 |
| BS | Huazhong Agricultural University (211), Wuhan, China
BS in Bioengineering, National Inspirational Scholarship for 2 years.
Merit Student for 4 years. GPA: 3.55/4.0 | Sep 2012 - Jul 2016 |

ACADEMIC TRAINING

2016.09 – now

Neurobiology Laboratory of the human brain computing

- (1) Decoding the EEG network characteristic among the different cognitive task (including music, mental calculation); Related research papers are being written (Unpublished)
- (2) Cooperation with Huashan Hospital Neurosurgery; Conduct research on EEG pre-evaluation of moyamoya disease. Found abnormal alpha rhythm and alpha blockade in patients, and found abnormal network characteristics at the brain network level, providing potential biomarkers for clinical diagnosis; Related research papers are being written (First author, unpublished)

2017.06 - 2017.08

Fubot Shanghai Robotics Technology CO.LTD

Face recognition algorithm R&D assistant intern

2014.03 – 2015.12

Fermentation engineering laboratory in HZAU

High-efficiency expression of a deoxynojirimycin engineering strain and optimization of fermentation process

PUBLICATIONS

- 2018 **Zheng, G.**, Qi, X., Li, Y., Zhang, W., & Yu, Y. (2018). *A Comparative Study of Standardized Infinity Reference and Average Reference for EEG of Three Typical Brain States*. *Frontiers in neuroscience*, 12, 158.
- 2017 He, Y.J., Zhang, W., **Zheng, G.**, Yu Y*. *Music Enhances the Small World Characteristics of the Brain Network*. *Journal of Fudan University (Natural Sciences)*. 2017

HONORS AND AWARDS

- 2018.11 National Scholarship for Postgraduate students
- 2015.12 The 2nd Fersa Cup Bioinformation Project Design Competition (Runner-up)
- 2013.12 The Second Hubei University Student Mathematics Competition (First Prize)
- 2013.11 The Fifth China University Student Mathematics Competition (Second Prize)

SKILLS

(1) Familiar with Matlab, mainly using matlab to process EEG signal and focus on EEG brain network analysis (small-world network, minimum spanning tree, hidden Markov model and so on), ready to integer the research results to a independently executed application.