

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>

Google Scholar : <https://scholar.google.com/citations?hl=zh-CN&user=aj2gsnUAAAAJ>



EDUCATION

- | | | |
|-----------|---|---------------------|
| 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

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| 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Related research papers are being written (Unpublished) | |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level, providing potential biomarkers for clinical diagnosis; Related research papers are being written (First author, unpublished) | |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). <i>A Comparative Study of Standardized Infinity Reference and Average Reference for EEG of Three Typical Brain States</i> . <i>Frontiers in neuroscience</i> , 12, 158. |
| 2017 | He, Y.J., Zhang, W., Zheng, G. , Yu Y*. <i>Music Enhances the Small World Characteristics of the Brain Network</i> . <i>Journal of Fudan University (Natural Sciences)</i> . 2017 |

HONORS AND AWARDS

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|---------|---|
| 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.