Zhonglei Gu

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Research Interests

Machine learning, brain computer interface, computational intelligence, event-related brain potentials, signal processing

Education

Shanghai Jiao Tong University, Teaching Reform Class

M.S. Candidate, Computer Science and Engineering, September 2009 (expected graduation date: March 2012)

- *Supervisor*: Prof. Bao-Liang Lu

B.E., Computer Science and Engineering, June, 2009

- Thesis title: Gender Classification By EEG

Honors and Awards

Excellent Academic Scholarship (2rd-class)	2010
Best Thesis Award of Department Computer Science and Engineering	2009
Excellent Academic Scholarship (2rd-class)	2008
Excellent Academic Scholarship (3rd-class)	2007, 2006
First Class in National Olympiad in Informatics in Provinces	2003, 2004

Working Experience

Research Student   **February, 2009 - present**
BCMI Lab of Shanghai Jiao Tong University
Supervisor: Prof. Bao-Liang Lu
Design an experiment makes subjects judge face gender of a picture, while the EEG is recorded.
Analysis the recorded data by both psychology and machine learning method.

Research Intern   **February, 2010 - march, 2010**
Hitachi(China) Research & Development Corporation
Participate in the research and development of **mandarin speech synthesis system**.

Intern   **May, 2008 - October, 2008**
9 Billiton(Shanghai) Information Technology Co., Ltd
Participate in the development of "Gamebook" game community, **an SNS Website**.

Teaching Experience

Instructor   **April, 2009 - present**

- *Course*: National Olympiad for Informatics
- *Audient*: High school student

Teaching Assistant   **Spring, 2010**

- *Course*: Program Design and Data Structure
- *Instructor*: Prof. Chen Ying

International Schools

Machine Learning Course in Dragon Star Program
- *Instructors*: Prof. Eric Xing (CMU), Prof. Li Fei-Fei(Stanford)
- Organized by Prof. Bao-Liang Lu
- Website: http://bcmi.sjtu.edu.cn/ds/introduction.html (in Chinese)
- Shanghai Jiao Tong University

Skills

Mathematics and Computer Science
- Solid foundation in analysis, algebra, statistics
- Skilled in C/C++, Matlab, Java and Perl

Psychology
- Proficient with Experiment Design and Data Analysis in ERP(Event Related Potential)

- Familiar with Cognitive Psychology

Language
- English: CET6 - 557
- Japanese: JLPT2 - 243

Last updated: December 29, 2010