

BO CHEN

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EDUCATION

Shanghai Jiao Tong University, Shanghai, China

2012.9 - 2016.6(*Expected*)

Department of Electrical Engineering

GPA: 3.80/4.3

Ranking 8th/170 in Dept. of Information Engineering

Core Courses: CS: Thinking and Approach of Programming(91)/ C++ Programming(90)/

Operating System(92)/ Data Structure

Math: Linear Algebra(98)/ Mathematical Analysis I(91)/Mathematical Analysis II(94)/

Probability and Statistics(94)/ Mathematical Methods in Physics(97)

RESEARCH & ENGINEERING EXPERIENCES

Shanghai Jiao Tong University, Shanghai, China

2015.3 - Present

Wang Lab, EE & CS Department, School of Computational Science & Engineering

Research Program Member

- **Latent Structure Detection of Online Social Network**
- Supervisor: **Prof. Xinbing Wang**
- Deep Belief Nets to extract features
- l_1 -regularized logistic regression to estimates the latent structures of online social networks
- Evaluation of our method on the dataset of Weibo and academic network

Shanghai Jiao Tong University, Shanghai, China

2015.3 - 2015.6

Course IVA, School of Electronic Information and Electrical Engineering

Course Program Member

- **Smart Car System**
- Supervisor: **Prof. Yan Yuan**
- A smart car designed to rescue the wounded after disasters
- Tracking based on face recognition ,infrared rays or ultrasonic
- Joystick, accelerometer, voice and button to control the car

Shanghai Jiao Tong University, Shanghai, China

2015.3 - 2015.6

Course Operating System, School of Electronic Information and Electrical Engineering

Course Program Member

- **Smartphone Based Health Evaluation System**
- Supervisor: **Dr. Ling Gong**
- A system to evaluate the health status of the user
- Accelerometer to infer the physical state of the user, microphone to evaluate the ambient noise, camera to detect the heart, and broadcast and service component to monitor the usage of the phone's resources

Shanghai Jiao Tong University, Shanghai, China

2013.12 - 2015.5

Participate in Research Program, School of Electronic Information and Electrical Engineering

PRP Program Member

- **Smartphone Based Mobile Clothes Search System**
- Supervisor: **Prof. Chengnian Long**
- Take a photo of clothes and the app return the URL of the site selling the clothes
- Design the fingerprint of the clothes
- Build the leveled database

Shanghai Jiao Tong University, Shanghai, China

2014.9 - 2014.12

Course System Design Practice and Innovation I, School of Electronic Information and Electrical Engineering

Course Program Member

- **Experiment System of Digital Baseband Communication**
- Supervisor: **Yan Yuan**
- Generate the three order and four order M-serial and do differential encoding to them
- Design and implement a lowpass filter and an adder
- Use VHDL to do bit synchronization

Shanghai Jiao Tong University, Shanghai, China

2014.9 - 2014.12

Course III A, School of Electronic Information and Electrical Engineering

Course Program Member

- **DC-DC Switch Power Supply System Controlled by MCU**
- Supervisor: **Yan Yuan**
- Turn 20V to 30V input into 5V to 10V output
- Design the PCB circuit
- Design the Labview program to control the myDAQ to adjust the output flow

Shanghai Jiao Tong University, Shanghai, China

2013.3 - 2013.6

Course Windows Application Design (C++) , School of Computer Science

Course Program Member

- **University Student Helper**
- Supervisor: **Dr. Tianhong Zhuang**
- Implement the curriculum schedule, the memo and the account book using MFC
- AdoDB based add, delete, edit and search function

AWARDS

- 2014** Scholarship for Outstanding Students, C Prize
- 2013** Scholarship for Outstanding Students, B Prize
- 2013** Tung OOCL Scholarship
- 2010** the 6th Pan-Pearl River Delta and Chinese Elite Schools Physics Olympiad Third Class Award
- 2005** Egypt Cairo 10th World Peace Painting And Calligraphy Exhibition, Pyramid Gold Award

SKILLS AND OTHERS

Programming	Extensive programming, solid expertise on C/C++, Java, Python, Matlab, VHDL, Verilog, Assembly language, R, Scala, L ^A T _E X
Software Development Languages	Proficient in software development on Android and Windows Proficient English, sepecially scientific English Writing.
Interests	GRE: V:152, Q:170, AW:4.0 Basketball, Table Tennis and Swimming