

Ji Yang

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Room 1109, Dorm 31

Yuquan Campus, Zhejiang University

Hangzhou, China

Date of Birth: April 22, 1991

APPLICATION INTEREST

The applicant, who will graduate at the age of 19, with a creative mind for scientific research, abundant academic experiences, and excellent leadership quality seeks to obtain a master degree in Electrical Engineering from Stanford, in order to acquire knowledge and skills required to establish a career in this field of expertise.

EDUCATION

ZHEJIANG UNIVERSITY, Hangzhou, China

Bachelor of Engineering September 2006~June 2010

- Major in Automation, College of Electrical Engineering
- Overall GPA: 88.25 / 100 (3.91 / 4)
- Research interest: MEMS and circuit design, systems and control, signal processing

NORTHEAST YUCAI SCHOOL, Shenyang, China

Special Experimental Class September 2001~June 2006

(curriculum allowing selected students who passed the 7-day qualifying examination to graduate from high school **at the age of 15**)

EXPERIENCE

SUMMER RESEARCH PROGRAM, NORTH CAROLINA STATE UNIVERSITY, USA

Participant July ~ August 2009

- Participated in a 40-day program in the Advanced Diagnosis, Automation, and Control (ADAC) laboratory at the ECE Department, NCSU, under the directorship of Dr. Mo-Yuen Chow, IEEE Fellow
- Worked on the project of a real-time control system - intelligence space, particularly with the designing of its image processing sensor, through which I learned proper conduct of laboratory research, increasing my interest to undertake advanced study abroad

ROBOTIC AUTOMATION LABORATORY, ZHEJIANG UNIVERSITY

Research Assistant September 2008 ~ present

- Conducts independent experiment on the wireless location system based on ultrasonic and Radio Frequency (RF) technology, which can be used to identify the robot's current position by contacting with tags randomly scattered around the robot itself
- Takes part in refining the above system so that it can function properly even in the unknown circumstances by Simultaneous Localization and Mapping (SLAM) algorithm

STUDENT RESEARCH TRAINING PROGRAM, ZHEJIANG UNIVERSITY

Participant July 2009 ~ present

- Participates in accomplishing an interactive guidance system written in Advanced RISC Machines (ARM) embedded programming language
- Assists in the programming of the Graphic User Interface (GUI) based on WinCE

EDISON EXPERIMENTAL CLASS, ZHEJIANG UNIVERSITY

Member

September 2007 ~ June 2008

- Conducted several basic projects, through which I gained several opportunities to develop my theoretical knowledge and acquire solid practical experience
- Performed individual application of real electron device
- Learned the processes involved in research through actual conduct

PUBLICATIONS

H. Song and J. Yang, "Electrical spark control measures for inhibiting coal dust explosion," *Journal of Liaoning Technical University (Natural Science)*, vol. 28, Suppl. II, pp. 60-61, Sept. 2009.

EXTRACURRICULAR AND SOCIAL ACTIVITIES

Leader, School's E-sports Clan

September 2007 ~ present

Member, School Internet Association

September 2006 ~ September 2007

English news translator, SGamer.com

November 2008 ~ present

Program Coordinator, World E-Sports Master, a world-wide E-sports international tournament

November 2008

Board Moderator, CC98 Bulletin Board System

January 2008 ~ present

PROFICIENCY

English:

TOEFL iBT - Reading 28 Listening 28 Speaking 22 Writing 24
Total 102, (10/10/2009)

GRE General - Verbal 520 Quantitative 800 Analytical Writing 3.5,
(06/07/2008)

Computer:

Proficient in Java, C++, C Language, Visual Basic, Pspice, Matlab,
Multisim, Quartus II

CERTIFICATES, AWARDS, AND SCHOLARSHIPS

First Prize, Excellent Academic Students
Scholarship

2007-2008 academic year

Second Prize, Excellent Undergraduate Scholarship

2008-2009 academic year

Third Prize, Excellent Undergraduate Scholarship

2006-2007 academic year