

Zhiguang Zhou

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ACADEMIC EXPERIENCE

2009-2013 **Department of Physics, Fudan University, Shanghai, China**

Bachelor of science, Physics GPA: 3.54/4.00 Major GPA: 3.90/4.00

2012summer **2012 Summer Session, University of Chicago, IL, U.S.A**

GPA: 4.00/4.00

GRE: V156+Q168+AW4.0 TOEFL: R30+L29+S26+W30=115

RESEARCH AND PROFESSIONAL EXPERIENCE

Sep 2011—Present Undergraduate Research Program Adviser: Chuanshan Tian

Raman Spectroscopy Study of Graphene Under High Temperature Condition, Optics Lab, Fudan University

- ♦ Participated in the fabrication of monolayer graphene through CVD method.
- ♦ Designed and constructed the High Temperature Raman System that can probe samples heated in a vacuum chamber with Raman spectroscopy
- ♦ Studied the temperature dependency of PMMA transferred graphene and PDMS transferred graphene between 300K-900K through Raman spectroscopy, which may improve the understanding of CVD grown graphene

Dec 2010—Oct 2011 Scientific and Technological Innovation Program Adviser: Yongkang Le

LED Digital Information Transmitter, Tutorial Lab, Physics Dept, Fudan University

- ♦ Participated in writing the programs based on SCM for modulation and demodulation
- ♦ Designed and constructed a digital information transmitter that students can easily test each compartment and the connections between them and thus learn basic elements of information transmission.
- ♦ Won the Second Prize of Demonstrational Experiment Award, National

May 2010—Jun 2011 Undergraduate Research Opportunity Program ‘Xi Yuan’ Adviser: Yongkang Le

Temperature Controller Based On SCM, Tutorial Lab, Physics Dept, Fudan University

- ♦ Constructed an operational amplifier to amplify the weak signal from thermocouple.
- ♦ Constructed the heater with simple elements and realized the temperature control by SCM

AWARDS AND HONORS

- ♦ 2012 the Outstanding Student Scholarship First Prize, Fudan University
- ♦ 2011 the Outstanding Student Scholarship First Prize, Fudan University
- ♦ 2011 Outstanding Student, Fudan University(25 in Fudan Univ)
- ♦ 2011 Honor of “Challenge Scholar”, Fudan University
- ♦ 2011 Demonstrational Experiment Award Second Prize, National
- ♦ 2010 People’s Scholarship Third Prize, Fudan University
- ♦ 2010 Top 10 Singer Award, Fudan University

PRESENTATIONS

- ♦ **Z.G.Zhou**, Eco-Friendly Architecture In Shanghai, Class Presentation, University of Chicago, Jul 2012
- ♦ **Z.G.Zhou**, J.J.Wang, LED Digital Information Transmitter, Project Report, Fudan University, Oct 2011
- ♦ **Z.G.Zhou**, L.Zhou, Energy of Magnetization and Polarization in Medium, Class Seminar, Fudan University, Nov 2011

SKILLS

- ♦ Language Fluent English, Native Mandarin
- ♦ Programming C, C++, LabVIEW, COMSOL, Origin

INTERESTS

- ♦ Music, Basketball, Badminton, Swimming, Chinese Traditional Architecture