

Yifan Wang

76 Barnes Ct., Apt. 106C, Stanford, CA, 94305

EDUCATION

- Sep. 2013-Jun. 2015 **Department of Energy Resources Engineering, Stanford University**
Expecting M.S. in Petroleum Engineering in Jun. 2015
- Sep. 2009-Jul. 2013 **Department of Chemical Engineering, Tsinghua University**
B.S. in Chemical Engineering
- Sep. 2010-Jul. 2013 **Department of Computer Science and Technology, Tsinghua University**
Minor Degree in Computer Science and Technology

RESEARCH EXPERIENCES

- Sep.2013-Present **Stanford University Petroleum Research Institute Group B (SUPRI-B)**
Advisor: Professor Hamdi Tchelepi
- Thermal simulation in geothermal reservoir
 - Developing linear solver for thermal simulator
- Oct.2012-Jun. 2013 **State Key Laboratory of Chemical Engineering, Tsinghua University**
Diploma Project (Thesis), Advisor: Research Associate. Kai Wang
- Develop Lattice Boltzmann Method (LBM) simulator for multiphase fluid dynamic simulation;
 - Gas-liquid-liquid three-phase micro-scaled dispersion processes simulation;
- Jul.2012-Aug.2012 **Global Research and Education in Advanced Technologies Program**
Chemical Engineering and Material Science Department, UC Davis
Advisor: Professor William D. Ristenpart
- Studying phenomena of colloidal particles aggregation near an electrode with a perpendicular oscillating potential
- 2011-2012 **State Key Laboratory of Chemical Engineering, Tsinghua University**
Volunteer Laboratory Research Training, Advisor: Professor Guangsheng Luo
- Micro-Fluidic Devices Design for selective droplet coalescence;

PRACTICE/VOLUNTEER/WORK

- Jan–Feb.2012 **2012 Summer School on Carbon Capture and Storage**
Melbourne School of Engineering, Melbourne University
- Aug.2011 **Perceptual Practice in Yanshan Petro-Chemical Company, Beijing**
- Understood the industrial catalytic reforming devices
- Sep.2010-Jun.2011 **Vice-Captain of Chinese Traditional Music Band, Tsinghua University**
- Publicity work for several concerts and contests
- Aug. 2010 **Sino-US joint volunteer teaching program, Zunyi, Guizhou**
- High school level teaching at poor area in China

SKILLS

- Programming C++, Matlab, python, JAVA, BASIC, Pascal;
- Scientific Software Eclipse, Aspen Plus, Multisim, COSMOL, Material Studio;
- Multimedia Video, audio, and graphic edit algorithms and software;
- Lab skill Skilled analytical chemistry and chemical synthesis experiences;
- Language Chinese, English, Japanese.

AWARDS

- 2010-2012 **Annually Department Scholarship in Tsinghua University;**
- May. 2010 **Freshman prize in Tsinghua University Chemical Product Design Contest;**
- Jan. 2009 **Silver medal in National Chemistry Olympic Contest.**