

# Joe Tang

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**Objective** Summer internship in Chemical Engineering

**Education** University of Job,Shanghai  
B.S. Chemical Engineering, Chemistry Minor, May 2008, Junior Standing

<b>Relevant Course</b>	Chemical Process Analysis	Environmental Biotechnology
	Thermodynamics	Chemical Kinetics & Reaction Engineering
	Process Fluid Mechanics	Heat and Mass Transfer
	Process Control	Separation Processes
	Technical Communication	Air Pollutant Emissions and Control

**Skills** **Lab equipment:** Atomic Absorption Spectroscopy, Gas Chromatography, Supercritical Fluid Extraction, and Ion Chromatography

**Computer:** MS-DOS/Windows and Macintosh applications including Microsoft Office,WordPerfect, Cricket Graph, Kaleidagraph, and Mathcad; FORTRAN programming

**Others:** Strong analytical and problem-solving techniques, excellent communication skills,and ability to work successfully both in groups and independently

**Related Experience** University of Job, Shanghai, Environment, Health and Safety (EH&S)  
**Strawberry Creek Management Intern** Jan. 2011 - present

- Assess water pollution sources in Strawberry Creek Watershed using physical parameter and surface water chemistry measurements
- Develop a water quality monitoring plan, applying environmental regulatory compliance and urban creek restoration methodologies
- Prepare a written report documenting assessment
- Attend EH&S project management and implementation meetings

College of Chemistry

**Instrument Technician for Environmental Chemistry** Aug. 2011 - present

- Trained to use Perkin-Elmer 3100 atomic absorption spectrometer, Dionex, Basic Ion Chromatography Module DX-300 series, Perkin-Elmer Autosystem Gas, Chromatograph, and Hewlett-Packard 7680T SFE Module
- Demonstrate and explain instruments to students
- Prepare laboratory demonstrations and chemical standards

College of Chemistry

**Lab Assistant** Jan. 2010-Aug. 2010

- Assisted in development of water quality and led remediation experiments
- Obtained and analyzed water and soil field samples
- Performed contamination-free analytical chemistry and prepared standards
- Performed extensive library research

**Additional Experience** Fatapple's Restaurant and Bakery, Shanghai  
Waitress, Host/Busser, Cashier, Sept. 2005 - present