

# TONY (YUECHUAN) YANG

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## PROJECT MANAGEMENT • RESULTS DRIVEN • CUSTOMER FOCUS ENVIRONMENTAL • CIVIL • CONSULTING

High energy, goal-orientated, multi-tasking engineer with demonstrated ability to lead engineering projects, to provide quality technical supports, and to deliver beyond target results. Credited with engineering ability through waste management, remedial investigation, groundwater modeling, and project management. Recognized for being action oriented, self development, determination, integrity, and interpersonal skills. Experienced international traveler with oversea working experience.

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### PROFESSIONAL EXPERIENCE

University of Tennessee – Knoxville, TN 07/02 - 12/06  
Graduate Research Assistant

Led RCRA and CERCLA regulation compliance project and prepared RI/FS report. Conducted sample testing and analyzed data for bioremediation process. Supported safety and environmental goals for the UT.

- Served as project manager in the in-class project of regulation compliance of RCRA CERCLA in phase II study. Actively direct group members to work closely on each assignment, through execution of the strategy that priorities information gathering and federal regulations compliance.
- Participated in soil microcosms study for MTBE degradation.
- Experienced with liquid extraction for analysis of hazardous chemicals such as estrogens.
- Performed in-depth analysis of ground water flow pattern to trace pollutant concentrations by building computational 2-D steady state model for the risk analysis purposes.
- Conducted groundwater hydrology study using finite element approach.
- Selected from a competitive group of candidates to conduct research projects for the wastewater treatment plants and pharmaceutical companies that encountered the endogenous hormones problems, such as the high level of estrogens discharged in the effluent.
- Worked actively with wastewater treatment facilities in Knoxville, TN to monitoring wastewater treatment process by analyzing microbial community structures in the activated sludge.
- Employed computational model, statistics studies, enabling QA/QC control into water sample testing, including DO, BOD, COD, etc.

Chengdu Municipal Engineering Co. 06/01 - 05/02  
Project Engineer

Participated in budgeting civil engineering projects. Supported for the engineering projects, prepared progress report, and ensured final product quality. Participated in public water decentralization system design.

- Participated in capital projects that involved budget estimation, engineering the application, and managing the installation.
  - Supported project manager as one of the primary engineers providing technical support, including interpretation of working diagrams, ensuring timely progress reporting, and preparing environmental science and policy reports.
  - Supported external and internal customers to ensure productivity.
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### EDUCATION

University of Tennessee – Knoxville, TN  
Master of Science in Environmental Engineering (GPA: 3.8)

### COMPUTER SKILLS

Microsoft Office (Word, Excel, PowerPoint, etc), MATLAB, C++, SAS, JMP, AutoCAD.

### SELECTED PUBLICATION

Yang, Y. and Chu, K-H. (2003) Kinetics of steroid estrogen degradation by a 17 $\alpha$  estradiol-degrading culture, *Novosphngobium tardagens* ARI-1. WEFTECH, Los Angeles.

### ADDITIONAL INFORMATION

Bilingual in both English and Mandarin. Open to frequent travel. Statistically analysis using SAS and JMP. Theoretically modeling.