

# GEORGE CRANDALL, EIT

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## Career Profile

### ENVIRONMENTAL ENGINEER-IN-TRAINING

- Focused, analytical professional with strong engineering educational background complemented by work experience involving field research and evaluation projects.
- Able to balance creative thinking with logical design ideas; enjoy opportunities to develop solutions that address challenging environmental problems.
- Work effectively in both self-managed and team-based projects; maintain high ethical and quality standards, professional demeanor, and cooperative attitude.
- Use hands-on, detail-oriented approach in completing projects and assignments.

#### Knowledge & Skill Areas:

*Field Research* ▪ *Report Writing* ▪ *Experimental Design & Methods* ▪ *Project Planning*  
*Quality Assurance Standards* ▪ *Research & Development* ▪ *Environmental Hazards*  
*Systems Analysis* ▪ *Regulatory & Safety Compliance* ▪ *Engineering Documentation*  
*Environmental Sample Analysis* ▪ *Risk Assessment* ▪ *Client/Customer Communications*

## Education

**Masters of Environmental Engineering, 2002 / GPA: 3.75**

**Bachelors of Environmental Engineering, 2000 / GPA: 3.30**

University, Houston, TX

#### Selected Upper-Level Coursework:

- Design of Air Pollution Systems
- Solid & Hazardous Waste Treatment
- Environmental Impact Analysis
- Environmental Systems Design
- Design of Wastewater Treatment Plants
- Groundwater Contaminant Transport
- Geotechnical Practices for Waste Disposal
- Environmental Law & Policies

#### Project Highlights:

- **"Best Bench Scale Demonstration Award"**—Worked with group of 6 students to plan, develop, and present winning bench scale model (addressing water quality issues) at 2 Design Competitions, 1999 & 2000, at the Waste Energy Research Consortium.
- **"Design of Wastewater Treatment Plants"**—Played key role in design project for treatment plant based on quality assurance and regulatory compliance factors. Delivered well-received presentation to Masters-level class upon completion.
- **"Environmental Impact Statement"**—Developed proposal-oriented report detailing most effective, environmentally sound strategies for controlling brushes within region.

## Work Experience

**Research Associate, 2002–Present**

**Research Assistant & Laboratory Technician, 1998–2001**

**Research Assistant, Summer 2001** (Texas National Environmental & Engineering Lab)  
*University, Houston, TX (1998–Present)*

Conduct research, sample collection and analysis, experimental design, and explosives evaluations using high-performance liquid chromatography, and perform other related activities in positions involving field studies and frequent travel to various counties within East Texas region. Report directly to Laboratory Manager; additionally responsible for daily maintenance of weather stations.

- **Bioremediation of Explosives in Vadose Zone**—Conduct explosives contamination studies and evaluations for government agency Pantex to recommend strategies for remediation projects with highest potential for success.
- **Overall Work Performance**—Put forth consistent effort in meeting and exceeding job requirements; worked overtime hours and maintained full-time class schedule throughout employment. Recognized for intelligent, thorough work habits.

## Activities

**Society of Environmental Professionals**—Member, 3 years; Secretary, 1 year

**Civil Engineering Honor Society**—Chi Epsilon