

# **IAN G. RAY, Professional Engineer**

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## **WORK EXPERIENCE**

### **Evergreen Structures, Structural Engineering, 5/06 – present**

- Transferred ownership of Porter Engineering
- Designing concrete structures including foundations, retaining walls, and others
- Framing design for commercial and residential structures
- Failure Analysis of structures, mechanical elements
- Design for repair and modification to existing structures
- Metal building design

### **Strand Systems Engineering, Inc, Structural Engineering, 9/05 – 5/06**

- Managed team of drafters in multi-family foundation design
- Designed concrete structures including foundations, retaining walls, and others
- Framing design for commercial and residential structures
- Analyzed geotechnical reports to optimize foundation design
- Provided technical support to field engineers and builders

### **Halliburton Energy Services, Project Management, 4/05 – 9/05**

- Managed projects on \$40 million scale
- Provide technical support for products
- Sell products to customers and provided technical support during bidding
- Track products through design and manufacturing, interacting with each process to provide optimized solutions

### **Halliburton Energy Services, Packer Technology Department, 10/03 – 4/05**

- Lead Engineer for Expandable Screens Customization
- Incorporated Lean Six Sigma into design and manufacturing processes
- Created new products in a fast-paced environment
- Researched and developed new product lines
- Improved older designs to better serve customers' needs

### **Halliburton Energy Services, Research and Development, 10/00 – 10/03**

- Extensive Test Well experience using Expandable Tools and Screens
- Designed Expandable Screen for oil extraction in offshore applications
- Utilized Project Management to develop innovative technology
- Implemented and performed program testing for new inventions
- Streamlined procedure for procurement and tracking of materials and services
- Implemented Finite Element Analysis to fine tune designs in the conceptual stage
- Received the MVP award for maximum value added performance, 2003

### **Porter Engineering, Consulting Engineer, 8/99-10/00**

- Analyzed failure of civil and structural projects of residential and commercial buildings and their components
- Performed mechanical systems damage and failure analysis
- Designed structures for residential and commercial applications
- Developed system to utilize CAD design and drafting for specific work application
- Assisted with fire cause and origin analysis

# Ian G. Ray

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## **PROFESSIONAL STRENGTHS**

- Innovative, positive, self-directed, highly energetic individual with ability to manage projects and personnel
  - Exceptional ability to motivate others in a team environment and create unity among the team
  - Able to adjust to dynamic situations and large workloads
  - Highly motivated and organized
  - Ability to deal with business professionals at all corporate levels
  - Trained in Completions I, Project Management, Risk Management
  - Keys to success include hard work, integrity, commitment, company focus, and strong people skills
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## **EDUCATION**

### **SOUTHERN METHODIST UNIVERSITY, Dallas, TX**

#### **Bachelor of Science in Mechanical Engineering (Environmental Specialization)**

- Professional Engineer
  - Minor in Mathematics
  - Proficient in Microsoft Office, FORTRAN, Eneercalc, Solidworks, AutoCAD, Relex
  - Conversant in Spanish
  - Recipient of the Hunt full academic scholarship
  - Design/Build certified from Yestermorrow School
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## **HONORS**

- Recipient of the prestigious Hunt Leadership Scholarship, 1994-1998
  - Southwest Conference Commissioner's Honor Roll for Academics
  - Distinguished with the Red A. Barr Memorial Award for integrity and discipline, 1998
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## **ACTIVITIES**

- U.S. National Resident Triathlon Team Training at the Olympic Training Center, 2001-2002
- Professional triathlete competing at world-class level for 2004 Olympics
- Four-year Varsity letterman on SMU swim team ranked top 10 nationally
- Vice-President of the Student-Athlete Advisory Committee