

# Carlos Romero

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## OBJECTIVE

To obtain an entry level structural engineering position in a professional engineering environment.

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## QUALIFICATIONS

- B.S. in Civil Engineering.
- M.S.C.E candidate (expected graduation, August 2000) on a research assistantship.
- Academic experience in the field of civil engineering and civil engineering research with an in depth knowledge on the bracing behavior of steel girders.
- Technical experience in the field of finite element analysis and related software.
- Extended academic engineering knowledge with respect to structural design and analysis.

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## WORK HISTORY

*1998-Present      Research Assistantship; Dr. Todd Helwig, University of Houston*

Extensive research into the material behavior of bracing for skewed girders for which there are no formal design requirements. Since skewed girder designs introduce uneven load distributions within the braces, the objective of the research focused on determining efficient methods for brace design. Designed and supervised the fabrication of two gravity load simulators used in the testing of steel girders. Experienced with advanced research techniques including *instrumentation and trouble-shooting*.

*1996-1997      Laboratory Assistant, Dr. Thomas Hsu, University of Houston*

Assisted in the research of concrete shear walls under seismic loading. Experienced with the only Universal Strain Controlled Tester in the world. Developed "hands on" knowledge into the design and fabrication of concrete panels and shear walls including fabrication of steel reinforcing cages, form work, and concrete mixtures.

*1990-1992      Assistant Manager, Domino's Pizza*

Responsibilities included supervision of the daily operations for the store including but not limited to the supervision of employees, customer relations, and financial bookkeeping.

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## EDUCATION

- B.S. in Civil Engineering, U of H, graduated Cum Laude G.P.A. 3.29 (A=4.0), May 1998.
- Candidate for M.S. in Civil Engineering, U of H, expected August 2000.

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## INTERESTS & ACTIVITIES

- Corresponding Secretary for Tau Beta Pi; 1998
- U of H Chapter Representative at Chi Epsilon Biennial Conclave, 1998
- Hobbies include basketball, running and weight training

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## COMPUTER SKILLS

- Extensive knowledge of Excel, Power Point, BASP, ANSYS.
- Experience with Silicon Graphics, UNIX.
- Proficient in VBA computer language.

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## AWARDS RECEIVED

- Graduated undergraduate Cum Laude G.P.A. 3.29 (A=4.0), May 1998
- Tau Beta Pi Engineering Honor Society
- Chi Epsilon Civil Engineering Honor Society