

Matthew R. Murray

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Objective

To work full-time in a civil engineering firm, with an emphasis on the design of reinforced concrete or steel structures, beginning in December 2010.

Education

- Purdue University**, West Lafayette, IN 8/05 – Present
- Graduated with Bachelor of Science in Civil Engineering in May 2009
 - Attained a 3.81 / 4.00 undergraduate grade point average
 - Passed the Fundamentals of Engineering Exam in spring 2009
 - Currently pursuing Master of Science in Civil Engineering with expected graduation date of December 2010
 - Coursework: Graphics (AutoCAD) for Civil Engineering and Construction, Surveying and Geomatics, Structural Analysis, Geotechnical Engineering, Structural Steel Design, Advanced Reinforced Concrete Design, Advanced Structural Mechanics, Structural Dynamics, Prestressed Concrete Design, Earthquake Engineering

Employment

- Indiana Department of Transportation Division of Research**,
West Lafayette, IN 5/08 - Present
- Adapted and performed lab tests to study pavement resurfacing methods
 - Wrote detailed procedures of the test methods developed for the study
 - Collected aggregate field samples
 - Completed a literature review of pavement construction procedures
- Purdue University (Bowen Lab)**, West Lafayette, IN 1/07 – Present
- Assisted in the testing and data analysis of a three-story flat-plate structure
 - Designed experiments to study shear strength size effect in concrete beams
 - Corresponded with materials suppliers to locate needed products for testing
 - Operated lab machinery (crane, scissors lift, band saw, drills, etc.)
- CrossRoad Engineers, PC**, Beech Grove, IN 5/06 – 8/06
- Performed field work (land surveying and construction staking)
 - Used AutoCAD to calculate estimates
 - Organized files from past projects

Awards & Activities

- 2010 ACEC Indiana scholarship recipient
- Research Assistant to Dr. Mete Sozen and Dr. Santiago Pujol
- Member of Reformed Presbyterian Graduate Student Fellowship