

Bradford R. Oliver

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Objective • Obtain a full time entry-level position with a structural engineering firm where I can become a professional engineer while striving to exceed the expectations of my employer

Skills • Proficient with AutoCAD, Revit Architecture, MEP, and Structure, Navisworks, STAAD Pro, ETABS, Virtual Tag System and MS Office

Education **Bachelor of Architectural Engineering - Structural** *EIT upon graduation May 2012*
The Pennsylvania State University,
University Park, PA
Cumulative G.P.A. 3.55; Dean's List
Relevant Courses: *Earthquake resistant design of buildings, *computer modeling of structures, advanced design of concrete and steel, indeterminate structures, AE Thesis, surveying, geotechnical engineering
*Denotes graduate-level class

Work History **CADnetics, Pittsburgh, PA** *Summer Internship 2011*
Entry Level CAD/BIM Drafter

- CADnetics is a firm that offers technical services to commercial and residential clients including 2D/3D surveying and creating BIM models
- Surveyed commercial and residential buildings using a hand laser and used these measurements to create 2D AutoCAD existing conditions drawings
- Created a 3D model in Revit of a large barn including the structure of 2x4's using a pointcloud produced from a 3D laser scanning survey
- Produced a 3D model in Revit of an addition to an existing building that would later be used in a 3D animation
- Worked in a team of three people to create BIM models of buildings with an average size of 100,000 sq ft using Revit MEP

Still Waters Consulting, Cranberry Twp, PA *Summer Internship 2009*
Engineering Internship

- Still Waters Consulting is a firm ran by one individual specializing in instrumentation, process control and SCADA technical services for municipal water and waste industry
- Designed interactive graphics showing water levels, pump status, and emergency alarms for the clients of a proposed water treatment facility using Virtual Tag System (VTS)
- Assisted in solving a problem that a firm was having in their software and electrical systems

The Woodlands Foundation, Wexford, PA *Summer 2010*
Maintenance Team Member

- Woodlands Foundation is a summer camp designed to cater to children with special needs
- Worked in a team of four responsible for maintaining 12 facilities and 32 acres of land
- Assisted in solving problems, making repairs, and general upkeep of facilities

Achievements & Recognition

- Earned Dean's List for five semesters, The Pennsylvania State University
- Passed the Fundamentals of Engineering exam in April 2011
- Volunteered through World Vision to reconstruct a roof and remodel homes for those in need
- Seneca Valley High School – Highest honors recognition and President's Award for maintaining a 4.0 GPA; graduated in top 10% of class of 580

Activities

- Secretary of Earthquake Engineering Research Institute (EERI)
- Participant in EERI undergraduate Seismic Design Competition
- Member of SEA, AISC, and ACI
- Active member of Student Society of Architectural Engineers (SSAE) and mentorship program
- Intramural football, volleyball, hockey, softball