

Ryan Matthew Bercaw

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OBJECTIVE: Seeking a full-time position in the Civil & Environmental Engineering field

EDUCATION: Virginia Tech, Blacksburg, VA
Bachelor of Science in Civil & Environmental Engineering (CEE)
GPA: 3.68/4.0 In-Major GPA: 3.80/4.0
Major Rank: 38 of 265
Taking the Fundamental Engineering (FE) Exam in April 2013
Expected Graduation Date: May 2013

RELEVANT COURSES:

- Water & Wastewater Treatment Design
- Environmental Microbiology
- Environmental Hydrology
- Water Resources Engineering
- Intro. to Environmental Engineering
- Reinforced Concrete Structures
- Construction Management
- Civil Engineering Materials
- Computer Applications for CEE

EXPERIENCE:

- Engineering Intern (Water & Transportation Business Groups)** CH2M HILL, Chantilly, VA Summer 2012
- Completed several tasks on large scale transportation, water resources, and water treatment projects
 - Helped compile sewer analysis models in *Excel* and storm water drainage models in *ArcMAP*
 - Calculated parcel areas using *MicroStation V8i* that intersected with the proposed right of way for the I-95/RTE 630 interchange
 - Researched innovative financing and PPP's to help with the development of the West Coast Infrastructure Exchange
 - Conducted pedestrian and parking surveys as well as an intermodal inventory for pedestrian bridge design
 - Performed quality controls for a storm water capacity analysis project and a WWTP upgrade
 - Contacted vendors and representatives for equipment for a wastewater treatment plant project
 - Logged construction management documentation using *ORACLE's Primavera Contract Management*
- Engineering Intern (Water Business Group)** CH2M HILL, Atlanta, GA Summer 2011
- Contributed to several large scale water and wastewater treatment projects and interacted with clients
 - Worked extensively on the Gwinnett County Green House Gas Inventory following the *LGO Protocol*
 - Reviewed equipment submittals and shop drawings
 - Completed several tasks involving models in MicroStation and ArcMAP
 - Sketched hydraulic profiles as well as pump/piping layouts for water and wastewater plants
- Intern** INROADS, Atlanta, GA Summer 2011
- Completed training focused on professionalism
 - Attended leadership and development workshops

DESIGN PROJECT

- Water Treatment System Design** Spring 2012
- Group was awarded first place in the class for the final design submittal and presentation of the project
 - Designed a new drinking water treatment system for a fictional town with demographics modeled after Pulaski, VA

LEADERSHIP/EXTRACURRICULAR ACTIVITIES

- Virginia Tech Club Soccer** Team Captain September 2009 – Present
- Competes in national, regional, and qualifying tournaments against other universities
 - Reached the knockout stages in the 2012 NIRSA National Championship Bracket

HONORS/AWARDS:

- Dean's List Recipient Fall 2009 – Fall 2012
- National Society of Collegiate Scholars (NSCS) Recipient Fall 2009 – Present

PROFICIENT WITH:

- Microsoft Office