

# Adam Day

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## EDUCATION

**University of Georgia** Athens, GA

May 2015

*Bachelor of Science in Environmental Engineering*

- 3.4 GPA out of 4.0; Dean's List (2 semesters); 1440/1600 SAT Score; HOPE Scholarship – over \$30,000 in awards
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## PROFESSIONAL EXPERIENCE

**Engineering Management, Incorporated** Lawrenceville, GA; *Project Engineer*

May 2015- Aug 2016

- Design, construct, and operate water, sewer, and stormwater distribution systems for small and mid-size municipalities while abiding by all federal, state, and local standards and regulations.
- Acquire federal and state funds to build infrastructure in struggling municipalities through agencies such as the Appalachian Regional Commission and Georgia Environmental Finance Authority.
- Collaborate with contractors and subcontractors to assure comprehension of plans, and inspect their work to ascertain accuracy and safety.
- Convene with clients to understand and satisfy their wants and needs.

**Power Partners** Athens, GA; *Quality Engineer Intern*

June 2013- May 2014

- Developed quality control plans that describe steps needed to keep improved processes at current optimal efficiency and ensure that performance enhancements are sustained over time, detailing the correct procedures to take in each quality inspection while weighing all relevant conditions
  - Refined process and material flow diagrams for shellform and coreform transformers to illustrate the items' pathway and their quality control checkpoints with the corresponding relevant work instructions
  - Assisted in preparing for ISO audit by educating floor workers on proper protocol and assembling correct operational guidelines
  - Helped diagnose, collect data, and solve mechanical issues with the product to uphold consistent output
  - Met with lead process engineers to advance quality control in their stream
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## COLLEGIATE PROJECTS

- **Capstone Senior Design**—Awarded Best Community Impact at 2015 Showcase August 2014- May 2015
    - Conducting a highway implementation and land development feasibility study in Metter, GA
    - Delivering plans for the site layout, roadway design, utilities, grading, erosion control, and detention pond
    - Meeting all state and permit requirements as per the GA Stormwater Management Manual, AASHTO "Green Book," GDOT Design Policy Manual, GASWCC Manual for Erosion and Sediment Control, and Metter Code of Ordinances
  - **Natural Resources Stormwater Management** Spring 2014
    - Collected surveying data using a total station and data collector PDA
    - Administered a pre- and post-development hydrologic analysis of a 10,000 ft<sup>2</sup> structure
    - Designed a stormwater detention pond to maintain post-development peak discharge at the pre-development level
  - **Urban Systems Water Treatment** Fall 2013
    - Designed a 30-year surface water drinking water treatment plant for a city of 20,000
    - Took into account CBOD, demand per person, required alum dose with regards to the alkalinity, disinfection, and correctly sized rapid mix, flocculation, sedimentation tanks and filtration area
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## SKILLS

- AutoCAD; Civil3D; Hydraflow; Hydraflow Express; Flowmaster; WaterCAD; MATLAB; HVAC design; Project Management (Gantt and PERT charts); MS Office including statistical data analysis and basic finance and accounting in Excel
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## PROFESSIONAL MEMBERSHIPS

- American Society of Civil Engineers; Society of Petroleum Engineers
  - EIT license to practice in the state of Georgia acquired August 2015
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## COLLEGIATE ACTIVITIES

**Phi Kappa Tau Fraternity** *Founding Father; Recruitment Chair; Housing Manager*

January 2012- May 2015

- As Recruitment Chair, I understood the unique and advantageous features of the product offered and effectively communicated this to recruit 60 new members, doubling our chapter size and securing over \$650,000 in future funds; I was honored with the Walter "Sonny" Strange Award for the Most Outstanding Recruitment Program (2014) in the nation.
- As Housing Manager, I opened a \$1.5 million facility and oversaw the entire residence move-in, including adherence to fire safety codes, sustainment of clean living conditions, and construction, sales, and placement of furniture.
- Planned and executed recruitment events within an \$8,000 quarterly budget
- Managed and motivated a chapter of 100 men to complete tasks

**Phi Sigma Pi National Honor Fraternity** *Associate Scholarship Chair*

January 2011- September 2012

- Devised lesson plans and interactive demonstrations of academic concepts for new members

**UGA Redcoat Marching Band** *Trombone*

August 2010- August 2013

**Other Activities:** Society of Environmental Engineers (Fall 2012- May 2015), Golf, Swim Club (2010-2011), Public Radio Donor