

# Adam Day

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## EDUCATION

**Georgia Institute of Technology** Atlanta, GA

September 2019- January 2020

*Professional Certificate in Full-Stack Software Development*

**University of Georgia** Athens, GA

May 2015

*Bachelor of Science in Environmental Engineering*

- 3.35 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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## SKILLS

- JavaScript; Node.js; MySQL; Express.js; Sequelize.js; MongoDB; Asynchronicity; HTML5; CSS3; jQuery; Bootstrap; Git; GitHub; Mocha; Chai; Passport.js; Constructor functions; Local and session storage and cookies; VBA; npm; Heroku; Handlebars.js; MATLAB; Firebase; AutoCAD; Civil3D; Project Management (Gantt and PERT charts); MS Office including statistical data analysis and basic finance in Excel; EIT license
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## PROJECTS

- Job Postings Locator
    - Full-stack web app to allow users to search Jooble job postings API and see the job locations on Google Maps API
    - MySQL database, Sequelize.js ORM, Node.js backend with Express.js server, Google Places API used to determine location (latitude and longitude) of each employer, Bootstrap and jQuery frontend
    - Search results cached in database, local Passport.js strategy used for authentication, Bcrypt.js used for password encryption, extensive asynchronous programming using Promises.all and async/await
  - Spotify Billboard Hot 100 Playlist Generator
    - Frontend web app to allow users to enter a date and create a playlist on their Spotify account of the Billboard Hot 100 songs on that date
    - Bulma and jQuery frontend, extensive asynchronous programming using Promises.all and async/await, Spotify API
  - Bamazon Web App
    - Full-stack “Amazon” web app to update a catalog of retail items on a MySQL database
    - MySQL database, Sequelize.js ORM, Node.js backend with Express.js server, Bootstrap and jQuery frontend
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## PROFESSIONAL EXPERIENCE

**NOVA Engineering and Environmental, LLC** Norcross, GA; *Staff Engineer*

March 2017- May 2019

- Provide quality assurance to our clients by ensuring that projects are built to their specifications and documents
- Execute International Building Code Chapter 17 Special Inspections; including masonry, reinforced concrete, and foundations
- Perform temperature, air entrainment, and slump cone tests on poured concrete as well as cylinder molding and transportation
- Oversaw the entire steel coating operation of the ATLNNext Canopy project at Hartsfield-Jackson Airport, a \$250 million project
- Deliver daily progress reports to project managers, general and subcontractors, and clients
- Train other employees on nondestructive testing techniques

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

May 2015- August 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 ACTIVITIES

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

January 2012- May 2015

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

January 2011- September 2012

**UGA Redcoat Marching Band** *Trombone*

August 2010- August 2013