

Dasia Smith

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EDUCATION

Georgia Institute of Technology Atlanta, Georgia

Civil Engineering 2015-2019

- Minor in Spanish

WORK EXPERIENCE

Georgia Institute of Technology Atlanta, Georgia

Full Stack Developer Student October 2021 - Present

- Utilized HTML, CSS, and wire framing to build a personal portfolio entailing projects and freelance websites
- Created and designed website that compares Marvel Superheroes to DC superheroes based on a superhero web API and Imdb movie ratings web API
- Built a password generator using JavaScript that accounts for all letter cases, numbers, and special characters

Carollo Engineers Inc. Fort Worth, Texas

Staff Professional January 2020 - Present

- Used analytical reasoning and engineering to manage construction projects from design to completion
- Aided in project completion through communication owner and engineer concerns to contractors, also recommended process improvements to increase efficiency and compliance
- Built and maintained financial models for project cost estimates
- Constructed hydraulic models and three-dimensional models to determine adequate sizing, materials, and plant flow based on various design factors
- Provided due diligence reports detailing the basis of design, design alternative, engineer evaluations, construction costs, and recommendations
- Coordinated discipline engineering, provided stand-in inspection and site representative service during construction phases including organizing front end and typical detail documentation, specifications, and reviewing conformed drawings

Georgia Institute of Technology Atlanta, Georgia

Researcher March 2019 - April 2019

- Created a combined air and noise model to determine the impact the new Express Toll Lanes in Interstate 75 and Interstate 575 has on the Roswell Road area
- Utilized US EPA MOVES model for emission rate and the CALINE4 dispersion model for downwind concentrations
- Analyzed noise impact using the FHWA Manual Noise Method for sound pressure level contributions from road sub-segments

Atlanta Department of Watershed Management Atlanta, Georgia

GIS Modeling Technician Intern May 2018 - August 2018

- Fabricated diurnal models and analyses of water flow in various Atlanta communities
- Collected, digitized, and recorded field measurements and GPS coordinates
- Manipulated ArcMap GIS to locate, label, and assess fire hydrants within the city and its perimeter as part of the Asset Management team
- Utilized Autodesk Storm & Sanitary Analysis to test various conditions that altered water flow

SKILLS & INTERESTS

Skills: HTML, CSS, JavaScript, MATLAB, Bluebeam, SQL querying, Cloud migration, ArcMap GIS, Autodesk Storm & Sanitary Analysis, SketchUp, AutoCAD, Microsoft Excel, Adobe Illustrator, Adobe Photoshop, Spanish

Interests: Skateboarding, Volleyball, Running, Graphic Design, Ceramics

LEADERSHIP EXPERIENCE

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- Office liaison for company program that educates students about water related issues and STEM careers
 - WEFTEC 2020 company representative for recruiting
 - Member, American Society of Civil Engineers & Society of Women Engineers