

Salsabila Ainina

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EDUCATION

Georgia Institute of Technology – Atlanta, GA

- Bachelor of Science in Civil Engineering
- GPA: 3.57/4.00, Dean's List

Expected Graduation: August 2020

EXPERIENCE

Modern Mobility Partners, LLC. – Atlanta, GA

Transportation Planning Intern

Sep 2019—Dec 2019

- Conducted safety analysis for Peach and Houston County
- Calculated crash, fatalities, and injuries rate for automobile, bike, and ped
- Collected and compiled census data for community impact analysis
- Aided in data analysis and putting together planning documents and studies
- Assisted in data visualization, mapping, and graphical elements

PT. Logistik Teknologi Indonesia (INTEGRA) – Indonesia

Project Management Intern

July 2019—August 2019

- Assisted project manager in putting together and reviewing daily reports
- Attended weekly PMO meetings, to review multiple projects' progress and plan
- Put together meeting minutes for kick-off meeting with client
- Documented cables/connections testing results for data, FIDS, telephone, etc.

Georgia Institute of Technology – Atlanta, GA

Undergraduate Research Assistant

May 2019—July 2019

Smart City Infrastructure Condition Assessment and Asset Management using sensor data

- Analyzed and updated conditions of 1,500 signs in GDOT's sign inventory
- Conducted GPS data quality control by analysis using POSPac and Trimble GPS
- Processed acquired LiDar data using Trimble T3D Analyst

PROJECTS

Managed Lane Access Point (CEE 4090: Capstone Design)

Spring 2020

- Design an access point for future managed lanes access while considering GDOT standards, system users, local businesses, and property owners in the decision-making

Air Quality and Noise Modeling (CEE 4620: Environmental Impact Assessment)

Spring 2020

- Analyze the impacts of 2020 and 2025 freeways and major arterials on the carbon monoxide concentrations and noise pressure levels at a mixed-use development

Complete Street Redesign of Dekalb Avenue (CEE 4610: Multimodal Transport)

Fall 2018

- Used complete streets principles for the redesign of a one-mile corridor between East Lake MARTA Station and Candler Park MARTA Station that provides better mobility options

Road Design Project (CEE 4600: Transportation Planning & Design)

Fall 2018

- Designed a four-lane extension for a road, including the design of intersections, overpass, and bicycle/pedestrian facilities

LEADERSHIP

Georgia Tech American Society of Civil Engineers (GT ASCE)

- GT ASCE Treasurer 2019-2020
- Took part in the Carolinas Conference's Innovation and Surveying Competition
- Participated in the ASCE Innovation Contest Celebration at ASCE's headquarters in Reston, VA as a student finalist

Chi Epsilon (Civil Engineering Honor Society)

- Volunteered for Habitat for Humanity, PAWS, and Trees Atlanta

SKILLS

- **Software:** Advanced Microsoft Excel, AutoCAD, Civil 3D, MicroStation, Synchro, ArcGIS/ArcMap, AERMOD, SketchUp, R, and MATLAB
- **Interests:** Transportation Planning & Design, Traffic, Smart Cities, Data Analytics, ITS