

ABRAHAM JESUS PIZANO

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EDUCATION

Georgia Institute of Technology

- Bachelor of Science - Civil Engineering
- GPA- 3.91

Atlanta, GA
Expected May 2024

Georgia Institute of Technology

- Master of Science - Civil Engineering/Transportation Engineering

Atlanta, GA
Expected by Dec 2025

WORK EXPERIENCE

Atlas Technical Consultants

Traffic Engineering Intern

Duluth, GA
5/2022-Present

- Performing traffic studies, involving traffic capacity analysis, signal timing, signal warrants, and corridor safety studies.
- Developing plans, specifications, analyses, maps, and traffic engineering reports.
- Preparing new traffic signal designs for intersection improvement projects, and arterial and freeway ITS designs.

Georgia Institute of Technology

School of Civil and Environmental Engineering, Undergraduate Research Assistant

Atlanta, GA
8/2023-Present

- Working on a GDOT Vissim calibration project in Dr. Hunter's Lab.
- Developing microsimulation models to evaluate and understand the impact and relationship of different parameters to determine practical guidance for calibration and validation.
- Utilizing the COM module in Vissim to run simulation and modify object properties.

PROJECTS

US 41 at McCollum Pkwy Realignment Study

Atlas Technical Consultants

1/2023-8/2023

- Realignment study evaluating the intersections of US 41 at McCollum Pkwy and US 41 at Kennesaw Due West Rd.
- Developed a simulation model in Vissim to analyze travel times.
- Compiled recommendations to improve safety and operations.

HAMPO EG Miles Corridor Study

Atlas Technical Consultants

5/2022-8/2022

- Corridor study in Hinesville, GA focusing on the construction of a median.
- Safety analysis of corridor, including investigation of crash history and speed data.
- Traffic analysis of 10 unsignalized and 3 signalized intersections.
- Constructed recommendations based on GDOT ICE, traffic analysis, and safety data.

LEADERSHIP

Institute of Transportation Engineers

President, Georgia Tech Student Chapter

4/2023-Present

- Represented the GT Student Chapter at conferences, conventions, and faculty and alumni meetings.
- Organized and invited transportation professionals for chapter events.
- Coordinated a career fair and invited transportation companies.

Tutoring & Academic Support

Learning Assistant Mentor

8/2022-Present

- Serving as a peer mentor to other learning assistants.
- Providing communication between professional and student staff.
- Working with the coordinator to improve and expand the LA program.

SKILLS

Languages: Bilingual- English and Spanish

Software: Synchro, PTV Vissim, MicroStation, HCS 2010, AutoCAD, Civil3D, MS Office

Programming: Python, pandas, MATLAB, Vissim COM

Affiliations: Institute of Transportation Engineers, American Society of Civil Engineers, Chi Epsilon

Awards: Faculty Honors (4x), Dean's List (2x), AP Scholar Award

Certifications: Microsoft Excel