

Fior Perez

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SUMMARY

Currently Civil Engineering BE undergraduate with concentration in Transpiration Engineering. Excellent research, time management and problem-solving skills. Highly organized, adaptable and consistently meet deadlines.

EDUCATION

The City College of New York, New York, NY *January 2017 – (Expected) December 2020*
B.E., Civil Engineering, Concentration in Transportation Engineering

Borough of Manhattan Community College, New York, NY, *August 2014 – December 2016*
A.S., Engineering Science

EXPERIENCE

NV5, New York, NY *November 2019 -Present*
Engineering Intern

- Prepare Civil Engineering drawings including grading, site development and utility piping layouts.
- Collected item quantities and prices to build estimate matrix and perform bid analysis.
- Attended meetings with regulatory agencies and stakeholders to establish their needs and discuss design/permitting issues.

Transportation Research Board *January 2020*
Fellowship

- Interpreted data from The Citywide Mobility Survey from 2017.
- Worked alongside professor to complete research paper.
- Wrote research paper about neighborhood analysis of grocery shopping in New York.

ACADEMIC PROJECTS

Senior Design, Hunts Point Interstate Access Improvement Project *Spring 2020*

- Design of intersections affected by the addition of a new ramp at Hunts Point.
- Made design decisions based on the NYCDOT Street Design manual.
- Design report with of all decisions with final design.

Urban Transportation, Neighborhood Plan for Open Transportation Space *Spring 2020*

- Used Census, Citywide Mobility survey and crash data to create visualizations using Tableau software.
- Evaluated all the different factors like public infrastructure, land use and collision in the zip code.
- Used results in order to make a decision for closure of local streets for open space for pedestrians.

Traffic Engineering, Intersection Design *Fall 2019*

- Collected traffic data in different intersections.
- Used Synchro to find the optimal signal timing on the intersections.
- Used PTV Vissim to simulate the traffic on the intersections.

Transportation System Engineering, Intersection LOS Analysis *Spring 2019*

- Collected automobile, pedestrian and bicycle data.
- Used the Highway Capacity Manual to compute the LOS of the different modes.
- Wrote a report with all the different methods used for the LOS of the intersection.

COURSEWORK

Urban Transportation	Transportation Planning	CE Decisions & Systems Analysis
Highway Engineering	Environmental Engineering	Structural Analysis
Traffic Engineering	Reinforced Concrete	Soil Mechanics
Transportation System Engineering	Hydraulic Engineering	

AFFILIATIONS

Concrete Canoe Club, The City College of New York, Active Member *January 2019- Present*

SEAoNY The City College of New York, Active Member *September 2018 -Present*

American Society of Civil Engineers (ASCE) , CCNY Chapter, Member *September- Present*

SKILLS

Application: AutoCAD, PTV Vissim, Synchro, Tableau, MS Office, Creo Parametric/ Solidworks.

Programming: C++, MATLAB, RStudio

Languages: Fluent in Spanish