

Roudger Aguilar

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EDUCATION

Hofstra University- Hempstead, NY | *Bachelor of Science in Civil Engineering* | Expected in 12/2021

- Member of Student Chapter of American Society of Civil Engineers (2019-Present)
- Member of The Institute of Transportation Engineers (2019-Present)
- Minor in Mathematics
- 3.35 GPA

Courses taken: Structural Analysis II, Design of Reinforced Concrete Structures, Design of Steel Structures, Hydraulic Engineering, Soil Mechanics & Foundations, Transportation Engineering

SKILLS

- AutoCAD
- MASTAN2
- NX Programming
- Microsoft Office
- Proficient in English and Spanish

CAMPUS LEADERSHIP

Student Chapter of American Society of Civil Engineers

Publicity Chair

- Managed and analyzed club's social networking outlets of communication
- Advertised upcoming conferences and informed club members of important information
- Held continuous communication with other executive board members

Transportation Engineering Design Project

Traffic Impact Study Report

- Identified trip generation and distributions to conduct a signal warrant analysis for a proposed commercial and residential facility
- Balanced all turning movements to create traffic volume maps of peak hours

Design of Reinforced Concrete Project

Reinforced Concrete Design Report

- Calculated and sketched the amount of bending and shear reinforcement required for every slab, beam, girder, and column of the structure
- Documented reinforcement layouts indicating the size, spacing, and cutoff points of rebar

EXPERIENCE

Busser | 06/2018 to 05/2019

Austin House Diner - Forest Hills, NY

- Set up advertising signs and displays on shelves, counters, and tables
- Collected trash, wiped up spills, and maintained stock to ensure fresh and clean customer areas

Group Leader | 05/2015 to 08/2018

Queens Community House - Jamaica, NY

- Mentored new Group Leaders by relaying information on company procedures, safety requirements, and lesson planning and delivered constructive criticism upon completion of job tasks
- Conducted routine inspections of materials used to check quality and compliance with established lesson specifications after assisting students with homework issues incorporating study skills
- Administered and led activities promoting growth in mental, emotional, behavioral, safety, and educational areas