

# JESSE OROZCO

Buffalo, NY | 718-755-6260 | jesseorozco2002@gmail.com

## EDUCATION

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**University at Buffalo, The State University of New York**

**Bachelor of Science, Civil Engineering**

**Expected May 2024**

GPA: 3.75

## WORK EXPERIENCE

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**Fisher Associates**

**Buffalo, NY**

Civil Engineering Intern

**March 2023- August 2023**

Skills Gained: HydroCAD, TufLOW, AutoCAD, OSHA certification, ArcGIS, AutoCAD, and Communication.

- Created hydrology reports for various solar projects by modeling the project site and using TufLOW to simulate various storm events.
- Conducted SWPPP calculations for an O&M building and ensured that the change in runoff did not exceed 1%.
- Conducted a SWPPP inspection of Springville High School's new turf field.
- Completed redlines for an 1800-acre wind farm in New York including tree-clearing plans, transmission line plans, and road development plans.

**National Grid**

**Brooklyn, NY**

City State Construction Intern

**June 2022-August 2022**

Skills Gained: Project Management, AutoCAD Design, and ArcGIS

- Independently designed gas main replacement projects on AutoCAD to be sent out for construction.
- Managed several resurfacing and encroachment projects at a time with an efficient turnover time.
- Worked with a team of engineers to review NYC/NYS infrastructure design plans for utility interferences

**UB Student Association Inc**

**Buffalo, NY**

Engineering Council Coordinator

**November 2022-June 2023**

Skills Gained: Time Management, Event Organization, and Policy Making

- Organized the engineering council's Engineers Week involving club events and the annual Bot Wars competition.
- Held a seat on the finance committee to review and advocate for engineering clubs' budgets.
- Held a seat on the senate where policies were reviewed and changed based on students' output.

## EXTRACURRICULARS

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**Steel Bridge Design Team**

**September 2022- Current**

Skills Gained: AutoCAD 3-D Drafting, SAP2000 Analysis, Bridge Fabrication, and Welding

- Designed 3-D models of a steel bridge in AutoCAD based on AISC 2023 rules.
- Ran various load tests on SAP2000 to determine vertical deflection.
- Within a team of 5 engineering students, design parameters were created and tested in order to find an optimal bridge design with low cost.
- Fabricated various parts of the bridge during winter break in the student machine shop.

**UB American Society of Civil Engineers Student Chapter**

**Buffalo, NY**

President

**June 2023-Current**

- In charge of supervising all chapter activities and supporting the design teams.
- Lead general body meetings and organize guest speakers to come speak about the industry.