

# Michelle Ren

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## EDUCATION

New York University, New York, NY

May 2023

Tandon School of Engineering, Bachelor of Science, Civil Engineering (GPA: 3.73)

- **Related Coursework:** Engineering Mechanics, Transportation Engineering, Water and Urban Design

## SKILLS

**Technical:** Microsoft Office, AutoCAD, Revit, ArcView GIS, Civil 3D, Fusion 360, Python

**Language:** Proficient in Mandarin Chinese

## PROJECT EXPERIENCE

NYU Concrete Canoe

September 2020 – Present

Mix Design Captain

Brooklyn, NY

- Communicate with and lead at least four team members each week
- Determine the kinds and effects of aggregates used in concrete mix
- Complete mix calculations to be included in technical proposal for competition

Safety Manager

September 2019 – May 2020

- Ensured safe usage of equipment and utilities and prevented any cross contamination of materials
- Maintained cleanliness of lab space and helped lead at least five team members with clean up

Tandon Undergraduate Summer Research Program

June 2020 – August 2020

Transportation Research Assistant

Brooklyn, NY

- Converted existing MATLAB code to Python language to simulate vehicle operations
- Analyzed and determined feasibility of shuttle service in place of subway suspension
- Corresponded with graduate mentor and research professor on progress and code issues

Rapid Assembly and Design Hydrogram Project

February 2020 – May 2020

Project Manager

Brooklyn, NY

- Utilized Fusion360 to design a hologram that reminds users to hydrate
- Facilitated purchasing of materials needed to construct product
- Maintained project schedule, budget, and corresponded with three team members

## PROFESSIONAL EXPERIENCE

Tandon Media Services

September 2020 – December 2020

Audiovisual Technician

Brooklyn, NY

- Assisted professors with setting up audiovisual equipment for class
- Conducted room checks to ensure projectors and speakers are in good working condition

## HONORS

TRIO Scholar, Asian and Pacific Islander American Scholar, Dean's List (2019-2020)