

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)