

Cristovao Miranda

30 Highland Ave | Kearny, NJ 07032 | 551-689-7734 | cm564@njit.edu

EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Civil Engineering (GPA: 3.97)

Graduation Date: May 2023

- Organizations/Awards: AISC, ASCE, Dean's List, NSLS, New Student Orientation (NSO), Academic Excellence Scholarship, Turner Construction Scholarship, Pappas, Michael J, Scholarship

EXPERIENCE

Maitra Associates, PC / O&S Associates

Bedminster, NJ

Civil Engineering Intern

08/2022-Present

- Assisted with the preparation and modification of various engineering documents including reports, specifications, plans, construction schedules, cost estimates and design plans for projects using engineering and design software (AutoCAD, Civil 3D, etc.) and equipment.
- Performed zoning, ordinance, and permit assessments, assisted with the sidewalk cast estimations, and determined the feasibility of projects based on the analysis of collected data.
- Conducted site inspections to monitor progress/conformance to specs and procedures.

Zabriskie Street Redevelopment Project

Hackensack, NJ

CE494 Final Project

12/2022

- Utilized my knowledge of Civil 3D and design principles to draft a complete drawing set and corresponding report for the redevelopment of a 6-acre site and adjacent intersection.
- Created the design for an apartment complex that met all zoning and building requirements including those for area, setbacks, height, parking, grading, and drainage.

BIM Modeling Project

Newark, NJ

CE260 Final Project

04/2021

- Produced a BIM model utilizing both Civil 3D and Revit of the NJIT Albert Dorman Honors College building, complete with building exterior, topographies, 1 plan view, 4 elevation views, 2 3D views, 2 section views, and quantity take-offs
- Demonstrated my proficiency with Civil 3D and Revit through the completion of a BIM model.

COURSEWORK

Steel Design - Grade: A

Spring 2022

- Provides a working knowledge of structural analysis including determinate and indeterminate beams and frames and knowledge on the development of current design procedures for structural steel elements and their use in multistory buildings, bridges, and industrial buildings.

Reinforced Concrete Design - Grade: A

Fall 2022

- Acquaints students with the properties of concrete and steel and with the behavior of reinforced concrete as a structural material; also, provides knowledge on how to develop methods for the design of reinforced concrete structural members.

Matrix Analysis of Structures - In Progress

Spring 2023

- Provides a review of matrix operations and energy methods, and development of flexibility and stiffness methods used in linear-elastic structural analysis. Behavior of continuous beams, plane trusses, space trusses, and frames are studied.

LEADERSHIP

New Student Orientation

Newark, NJ

Orientation Leader

4/2022 - Present

- Coordinated with NSO Lead Team and fellow orientation leaders to serve as guides for incoming students making the transition from their previous environments to NJIT
- Facilitated acclimation of new students to NJIT through direct mentorship of incoming students.

SKILLS & INTERESTS

Skills: Civil 3D; Revit; HCS; Vissim; all M.S. Office applications; Risa 2D/3D; MatLab; MASTAN2; Bluebeam Revu; Microsoft Projects, fluent in English, Spanish, and Portuguese