

Prabin Poudel

prabinpoudel1831@gmail.com • (310) 981-7877 • graduating May 2018

EDUCATION

New York University Tandon School of Engineering, Brooklyn, NY
Bachelor of Science in Civil Engineering

September 2014-May 2018

SKILLS

AutoCAD, Microstation, Civil 3D, Revit, Navisworks, SAP, SAFE, ETABS, spColumn, MATLAB, Ms. Office, Python 3.0, ArcGIS, HEC-RAS, EPANET

WORK EXPERIENCE

Thienes Engineering Inc., Los Angeles, CA

Summer 2017

Civil Engineering Design Intern

- Performed hand calculations for catch basin and storm drain design
- Prepared a hydrology report and project summary
- Designed a ramp as per the American Disability Act (ADA) requirements, using AutoCAD Civil 3D
- Performed SWPP inspection of 3 ongoing projects in San Bernardino, prepared SWPP report for each.
- Submitted development plans to the City and reviewed the Plan Check Comments
- Managed files, folders and performed other tasks as an assistant to the Professional Engineer.

ACADEMIC PROJECTS AND RESEARCH

Museum Site Planning and Design, NYU Brooklyn, NY

September 2017- December 2017

- Prepared a complete site development package of a museum in Whiteplains, NY, through preparation of design reports, site plans and cost estimates
- Designed drainage, grading and storm water management plans for the provided site using AutoCAD and Revit
- Prepared team schedules and cost estimations of the completed plans
- Developed water supply plan, erosion and sediment control, utilities, streets and pavement plans.

Structure Design of a 12-Story Building, NYU Brooklyn, NY

September 2017-December 2017

- Worked with a team of four to analyze and design the structural components of a building
- Used ETABS and SAFE to design the slabs, columns, beams and the reinforcements for each floor
- Performed hand calculations to understand and check the results obtained from the analyzing software.

Vertically Integrated Project, (VIP) Smart Cities, NYU Brooklyn, NY

January 2017-present

- Assembled PM2.5, temperature, pressure and humidity sensors in a circuit board using Arduino and Raspberry Pi
- Working towards using a drone to carry the built sensors and get the air quality, temperature, humidity and pressure data in Red Hook, Lower Manhattan and the Hudson Yards.

Research: Water System Management, Lille France

June 2016 - July 2016

- Analyzed the data of water consumption over the years 2010, 2011, 2012 to find the best method to detect leakage in the water distribution system
- Performed fieldwork and survey at Lille-1 of the water distribution system
- Awarded with ASPIRE funding (Assisting Students to Participate in Internship and Research Experience) for research participation by NYU Office of the Provost.

Graduate Student Research Assistant, NYU Brooklyn, NY

December 2014 - January 2015

Research carried out by NYU Civil Engineering Master's level student. Based on Soil Mechanics, main objective to study moving patterns of sand particles when force is applied, signifying process of building any real-world infrastructures.

- Prepared soil samples and tested them
- Helped to set up apparatus for experiments
- Understood the research goals and basic principles of soil mechanics.

OTHER EXPERIENCE

Secretary

April 2015 - April 2016

American Society of Civil Engineers (ASCE), NYU Student Chapter