

YASHASWINI RAVIILLU

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(814) 207-3597

PROFESSIONAL SUMMARY

Civil and environmental engineer skilled in geotechnical, water resources, and research work; team management, and customer service. Experienced in handling both field and office work. Actively looking for opportunities to enhance my skills in the field of civil engineering and environmental science.

RELEVANT EXPERIENCE

Surface Water Management-Broward County.

September 2019-August 2021

Staff Engineer

Developed an understanding of the processes, policies, and procedures of a governmental permitting office.

1. Reviewed Surface Water Management license and the Environmental Resource permit application packages for new projects and modifications to existing sites which included engineering construction plans, surveys, geo-technical reports, calculations (required/provided water quality, runoff, stage/storage, and discharge computations), surface water modeling reports, and legal documentation against County and State codes, rules, and regulations.
2. Prepared technical review comments and requested additional information from engineers and property owners for revisions to calculations and plans; prepared technical reports with project specific information, license conditions, engineering data, and calculation summaries.
3. Reviewed engineering construction certifications and surveyed plans for compliance with County and State codes; performed site inspections for construction compliance and identified deficiencies in inspection reports; processed five-year renewals of surface water management licenses; issued appropriate warnings, notices for violation, and/or other enforcement actions, as warranted, against respondents with non-compliance issues and/or violations cited.
4. Communicated with developers, attorneys, engineers, banks, and the general public for the purpose of reviewing construction plans and specifications and the issuance of permits; performed research to respond to queries and complaints.

Engineering and Community Development, City of Oakland Park

June 2019-August 2019

Intern

Learned about the methods and processes for local-government civil-engineering and planning and zoning operations including financing and budgeting, project management and administration, land use policy, and long-term planning.

1. Assisted the building department with field inspection and plan reviews.
2. Assisted the building department with traffic sign inventory on ArcGIS.
3. Worked with the permit department in relation with the status of the permit.
4. Worked with planning and zoning division by researching the data for light intrusion ordinance and medical marijuana ordinance.
5. Assisted the planning and zoning department with permit reviews.
6. Attended meetings with architecture firm, city residents, city manager, department director, communitydevelopment team and planning and zoning team to discuss about the new zoning and planning plansfor the city.
7. Assisted the planning and zoning division with zoning letters, FEMA insurance data.
8. Assisted the planning and zoning division with bond improvement projects and arranging hard files and folders.

All State Engineering and Testing Consultants Inc, Hialeah

September 2018-June 2019

Junior Civil Engineer

Performed technical reviews to assist private-sector construction clients in designing construction projects

1. Prepared geotechnical reports with foundation recommendation for commercial and residential projects.
2. Prepared percolation reports and inspection reports.
3. Prepared concrete reports with values for 7 days, 14 days, 28days and 56 days tests.
4. Assisted clients with questions relating to the geotechnical, field inspections.
5. Prepared job orders and generated invoices and processed payments.

6. Managed the project by generating invoice, processing payments, creating job orders, coordinating with technicians and preparing the report.
7. Assisted with the field work including soil compaction test and building inspections.

City of Fort Lauderdale

June 2018-September 2018

Intern (Neighbor volunteer office and Sustainability division)

Learned about local government operations from various agencies and departments.

1. Attended meetings with public for working on reading projects.
2. Assisted with sustainability projects.
3. Coordinated beach cleanup projects.
4. Gathered data for plastic straw ordinance.
5. Contacted schools to recruit students as volunteers for neighborhood projects

Gannon University

May 2016-October 2016, July 2017- September 2017

Research Assistant

1. Collected samples from Presque Isle Bay.
2. Set up ISCO samplers at the Creeks to collect samples during storm event.
3. Tested the collected samples for Suspended Solids, Total Phosphorous, Total Nitrogen, Phosphate and Nitrate.
4. Worked with the pH meter to collect the pH, specific conductivity, DO, temperature data at each point the sample was collected.
5. Conducted survey to gather the measurements for calculations.

ACADEMIC PROJECTS

Gannon University, Erie

Fall 2016- Summer 2017

Mass loadings of nutrients and other substances into Presque Isle Bay from its watershed in support of understanding the occurrence of algae bloom.

Sri Venkateswara College of Engineering, Bangalore

Spring 2015

Research the effectiveness of natural coagulants in place of artificial coagulants to treat waste water in order to overcome the health effects due to artificial coagulant

EDUCATION

New England College

Masters of Business Administration

March 2022

Relevant Course Work: Organizational communication, Organizational economics, Marketing strategies, Marketing finance, Leadership and Change in Organization, Accounting for leaders.

Gannon University

Master of Environmental Science

August 2017

Relevant Course Work: Toxicology, Wetlands, Soil/ ground pollution, Air pollution control engineering, Waste treatment engineering, Principle environmental science engineering, Environmental Law and Hazardouswaste treatment

Sri Venkateswara College of Engineering

Bachelor of Engineering, Civil

May 2015

Relevant Course Work: Surveying 1 and 2, Fluid mechanics, Hydraulics and hydraulic machines, Air pollution and control, Environmental engineering, Applied engineering geology, Industrial waste water treatment, Geotechnical engineering, Hydrology and irrigation engineering and Rural water supply and sanitation.