



ROSIA SIMONE ROWE

EDUCATION

Auburn University (AU) – Auburn, AL Fall 2014 – Spring 2019
Bachelor of Biosystems Engineering (BBSE)
Bachelor of Arts in Spanish (BA)
Estudio Sampere (Study Abroad) – Madrid, Spain Summer 2017

EXPERIENCE

Water/Wastewater Graduate Engineer I | CONSOR Engineers, LLC – Fort Myers, FL Jan 2020 – Present
Environmental, civil, and process engineering for design of water treatment, wastewater treatment, and its infrastructure.
Mathematics Tutor & Weekend Instructor | Robert Morris University (Upward Bound) – Chicago, IL Nov 2019 – Jan 2020
Tutoring mathematics (algebra, trigonometry, geometry & calculus) and physics subjects to high schoolers grades 9 – 12.
Office of Innovation Advancement and Commercialization Intern | Auburn University – Auburn, AL Aug 2017 – May 2018
Conducting research on prior art for technology proposed by AU stakeholders for future patenting in applicable markets.
Resident Assistant | Auburn University Housing – Auburn, AL July 2015- May 2017
Oversaw residence halls for ~90 co-ed students. Facilitated a welcoming, inclusive, safe, and exciting living environment.
Peer Instructor in Success Strategies Course | Auburn University – Auburn, AL Fall 2016
Assisted in instructing a First-Year Seminar. Assisted with lectures and leading discussions started towards new students.
Search Committee for Program Advisor in First Year Experience | Auburn University – Auburn, AL Oct 2016 – Dec 2016
Student liaison supplying a varies perspective for a Learning Community Programs Advisor hiring committee.

ACHIEVEMENTS/INVOLVEMENT

Auburn University
National Achievement Scholarship Recipient Fall 2014 – Spring 2018
100 Women Strong Scholarship Recipient Fall 2014 – Spring 2018
Castonoli Abroad Scholarship Recipient Summer 2017
National Society of Black Engineers
Conference Planning Committee Member Fall 2016 – Spring 2018
Elected Executive Board Member (Program's Chair) Spring 2015 – Fall 2015
Public Relations Committee Member Fall 2015 – Spring 2015
I Am My Brother's Keeper (IAMBK) Tutor Fall 2014 – Spring 2015
Outstanding Service IAMBK Inc. Award Spring 2015

SKILLS

Technical Experience: PC & Apple Macintosh
AutoCAD, AutoCAD: Civil3D, ArcGIS, HTML
Microsoft Office
Excel – data entry, logging information from discovery
Projects – living gantt charts & project scheduling
Online blogging and internet publications
WordPress

COMMUNICATION

Proficiency in the Spanish Language
Reading, writing, and oral communicative skills
Technical Prjoect Memorandums
Executive Summary Reports



ROSIA SIMONE ROWE PROJECT PROFILE

TREELINE PUMPING STATION– CITY OF FORT MYERS | FORT MYERS, FL

Compiling permits necessary for the project formerly known as the *East Water Storage Tank and Booster Pumping Station Project* for pre-construction and construction-phase services.

June 2020 – Present

FILTER COVERS PROJECT CONSTRUCTION PHASE– PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY | ARCADIA, FL

Conducting construction-phase services including, but not limited to, RFI's, RFCP's, WCD's, and PCI's.

June 2020 – Present

AERATED GRIT SYSTEM EQUIPMENT REPLACEMENT DESIGN PHASE II– COLLIER COUNTY NCWRF | COLLIER COUNTY, FL

Evaluating manufacturer's submittals for pre-bid phase services.

May 2020 – Present

UNDERGROUND FIRE LINE PHASE II– CITY OF CAPE CORAL | CAPE CORAL, FL

Conducting site visits and evaluations in accordance to construction-phase services.

May 2020 – Present

RISK AND RESILIENCE ASSESSMENT & EMERGENCY RESPONSE PLAN – CITY OF NORTH PORT | NORTH PORT, FL

Conducting a *Risk and Resilience Assessment (RRA)* in compliance with Section 2013 of the America's Water Infrastructure Act of 2018 on behalf of a client. Working to certify community water systems with the Environmental Protection Agency to confirm that the system's resilience and established countermeasures has been analyzed according to EPA standards (i.e specific guidance documentation and methodology). Sequentially, an *Emergency Response Plan* was developed on behalf of the client in order to update any established countermeasures based on research and RRA findings.

March 2020 – Present

ENERGY PERFORMANCE SAVINGS – SIEMENS USA | CITY OF FORT MYERS CENTRAL ADVANCED WASTEWATER TREATMENT FACILITY FORT MYERS, FL

Implementing a retrofit of mixers and aerators at an 11 MGD facility in order to decrease the energy consumption generated through operation. Drafted technical memorandums to conduct basin studies, oversaw ground penetrating radar surveys to ensure coring holes around structural tension strands in the basins, designing solutions to installation of aerators around existing structural constraints, assisting with pulling samples for laboratory analysis, and sizing machinery/pumps for a plant draining to transition to single-train operation. Observed mixing study conducted through external resources contracted with CONSOR.

Jan 2020 – Present

RISK AND RESILIENCE ASSESSMENT – PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY | LAKEWOOD RANCH, FL

Conducting a *Risk and Resilience Assessment* in compliance with Section 2013 of the America's Water Infrastructure Act of 2018 on behalf of a client. Working to certify community water systems with the Environmental Protection Agency to confirm that the system's resilience and established countermeasures has been analyzed according to EPA standards (i.e specific guidance documentation and methodology).

Jan 2020 – March 2020



WASTEWATER TREATMENT BASIN RETROFIT – FLORIDA GOVERNMENTAL UTILITY AUTHORITY |
LEHIGH ACRES, FL

Drafting the project schedule and updating project progression for a package wastewater plant retrofit. Assisting CAD drafters with component identification in the tank in order to design drawings for component replacement, repair, and retrofit. Preliminary work with pulling specifications from the master specifications and making adjustments for the project.

Jan 2020 – Present