

FARAH ARYAN

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EDUCATION

Bachelor of Science in Environmental Engineering

December 2021

University of Florida - Gainesville, FL

GPA 3.6

Relevant Coursework: Hydrodynamics, Hydraulics, Water Chemistry, Air Pollution Control Design, Environmental Hydrology, Water and Wastewater, Site Analysis, Thermodynamics and Heat Transfer

Technical skills: SolidWorks Certified; Proficient in Excel, Rstudio, and ArcGIS

PROFESSIONAL EXPERIENCE

General Motors - Milford, MI *Environmental Leader Intern*

June - August 2020

- Performed cost-benefit analysis on sustainable and efficient methods of repurposing lime sludge produced on site, diverting a yearly average of 41% of waste from entering the landfill
- Conducted zero waste gap analysis for the previous three years of waste shipping logs for multiple General Motors sites, highlighted areas of waste inefficiency, and proposed possible areas for waste reduction and reuse
- Utilized Excel to organize, expedite, and improve the efficiency of the site's Daily Monitoring Report
- Communicated with local businesses in order to repurpose and recycle on-site wooden pallets, diverting an average of 33 metrics tons of waste per month from entering the landfill

Packaging Corporation of America - Valdosta, GA *Environmental Engineer Co-op*

August - December 2019

- Performed lab tests to measure COD levels in wastewater and compare it to daily BOD levels in an attempt to find a correlation
- Surveyed and mapped the mill's landfill and wastewater treatment center
- Analyzed environmental permits and logged daily environmental emissions data

RESEARCH

Todd-Brown Laboratory - Gainesville, FL *Data Analyst*

January - June 2020

- Utilized R studio to develop a graphical user interface to simulate how marsh accretion levels react to environmental changes over time
- Created and worked with mathematical models that tested parameters on how rising sea levels affect marsh level equilibrium

Feed the Future Innovation Lab - Gainesville, FL *Undergraduate Research Assistant*

January - May 2019

- Authored a literary review utilizing data from over 150 journal entries on nutritional patterns in nine countries
- Assisted professors in organizing data for public presentations on environmental sustainability efforts in agriculture and livestock systems in low resource communities

LEADERSHIP AND VOLUNTEERING

Theta Tau Professional Engineering Organization

Vice President

Present

- Reviewed applications for 20 different internal chairs and selected the chairholders for each position
- Delegated tasks to each chair and ensured that they were carried out promptly and accurately
- Served on the Executive Council and participated in weekly discussion to ensure the betterment of the chapter room

Recruitment Chair

January - May 2020

- Organized 10 events over a two week period with the purpose of recruiting potential new members that garnered a 20% increase in attendance from previous semesters
- Communicated with different venues to negotiate prices and plan events under budgetary restrictions

English Language Institute - Gainesville, FL *Conversation Partner*

May - August 2019

- Aided international students in improving conversational English skills by participating in weekly activities

AWARDS AND LANGUAGES

Awards: Herbert Wertheim College of Engineering Dean's list (All semesters)

Languages: Arabic (Conversational), Spanish (Basic)