

RELEVANT WORK EXPERIENCE

Muscatine Power & Water

Project Engineer I – Civil

Muscatine, IA

June 2022 – Present

- Developing dashboard for and analyzing performance of 27 active water wells; collaborating with subject matter experts and contractors to develop improved well cleaning operation programs
- Managing water main replacement, building demolition, electrical vehicle charging station installation, and electrical substation grounding projects from conception to completion,
- Researched requirements of AWIA 2018 and led team in completing a risk and resilience assessment and preparing an emergency response plan
- Aiding in developing and improving project management tools for the utility

Civil Engineer II

March 2020 – June 2022

- Managed water main replacement, building renovation, and water tower rehabilitation projects from conception to completion, including prepared specifications, led bidding process, lead contractor meetings, reviewed submittals, issued and managed Instructions to Contractor and Change Orders, tracked project costs, and coordinated inspections
- Researched, justified, and implemented new water data management software, Hach WIMS, then perform ongoing development and troubleshooting within the software

Civil Engineer I

October 2017 – March 2020

- Collaborated with engineering technicians, professional engineers, drafters, and water department field personnel to develop plans for projects ranging from one to twelve blocks including replacing water main; water services, hydrants, or valves; and electric utilities
- Managed correspondence, review of submittals, and construction inspections and collaborate with coworkers and subject matter experts to aid in managing projects in well drilling and development, small building expansion, and water storage tank restoration
- Wrote and aided in writing specifications for water main installation, electric and communication infrastructure rehabilitation, water storage tank restoration, and asphalt paving
- Developed a knowledge base in modeling a small water system in InfoWater, maintaining the model, and utilizing the model to evaluate needs of the water system

Fellowship of Catholic University Students

Missionary

Muncie, IN

June 2016 - June 2017

- Mentored women weekly in one-on-one and small group settings to motivate and equip them to grow in their faith and lead their peers to do the same
- Exhibited initiative, perseverance, and adaptability in campus outreach and foreign mission trips
- Fundraised \$2000 of monthly support by networking with over 50 people and communicated the vision and results of my work through newsletters and personal contact
- Built relationships, navigated conflict, and identified strengths of people with different personalities to help create a highly functional team and community

3M

Environmental Engineering Student Intern

Prairie du Chien, WI

May 2015 - August 2015

- Created an easy to use spread sheet for tracking the requirements and status of the Title V permit
- Created a document control reference for the Environmental Management System
- Inventoried all the material waste in the plant to aid in decreasing waste sent to landfill
- Created an efficient tool in Excel to map noise levels for future use in 3M plants nation wide

1704 Orange St
Muscatine, IA 52761

Nancy M. Simpson (EIT)
<https://account.ncees.org/rn/1600606-853554-5df0f17>

(224)805-1361
nancystreu@gmail.com

Manufacturing Engineer Student Co-op

January 2014 - August 2014

- Collected data and performed time studies on operations to address gaps and suggest future actions
- Helped create specifications and communicate product range to vendors at start of a capital project
- Assisted in the installation, start up, trouble shooting, and qualification for new equipment at the end of a capital project as well as acted as go-to when technical resources were unavailable
- Presented progress on capital projects during the divisional leadership team's quarterly review

EDUCATION

- University of Wisconsin – Platteville
 - Major: Environmental Engineering
 - Minor: Renewable Energy
 - Chancellor's List (4.0 GPA): Fall 2011 and Spring 2012
- Graduation Date (B.S.): Dec 12, 2015
Cumulative GPA: 3.86/4.00
EIT: Obtained Nov 2015
Dean's List (3.5 GPA): Fall 2011 – 2015

COMPUTER SKILLS

ArcGIS, Autodesk Civil3D, WaterCAD, InfoWater, Hach WIMS, Microsoft Office (Suite)

LEADERSHIP AND VOLUNTEERISM

St. Mary & Mathias for Life co-leader (Spring 2022 to present)
Flickinger Learning Center volunteer (Fall 2018-Spring 2019, Fall 2019, Fall 2021-Spring 2022)
Biking for Babies missionary (2019 Support Crew, 2020 Rider, 2021 Support Crew, 2022 Support Crew)
Youth Catholic Small Group Leader (High School women, Fall 2018 to present)
Leader of Page, AZ (Spring 2018) and Colombia (Spring 2017) Spring Break Mission Trips
Secretary of Platteville Society of Environmental Engineers (Fall 2013)
Chi Epsilon Honors Society (inducted in 2013)