

JANINE SWEETMAN

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Education

University of Michigan | Ann Arbor MI | GPA 3.65/4.0

Apr. 2021

Bachelor of Science in Engineering in Environmental Engineering

Program in Sustainable Engineering

Dean's List, University Honors

Relevant Coursework: Sustainability Principles, Fluid Dynamics, Environmental Law

Grand Rapids Community College | Grand Rapids MI | GPA 3.967/4.0

President's List, Physical Science Award

Research

Polyfluoroalkyl-Substances (PFAS) Contamination Research

Grand Rapids, Jan. 2019 – May 2019

Investigated the national PFAS contamination distribution and its health effects

Used qualitative coding methods to compile and analyze information

Hypothesized the most viable solution out of many recently proposed filtration methods

Project Experience

Geosyntec Consulting | Intern

Ann Arbor, Mar. 2020

Visited project sites and gained an understanding of the water remediation field

Met with senior-level engineers to discuss their experience

Learned technical and analytical skills that are required for an intern

BLUElab – Thailand Team | Assistant Design Lead

Mae Chan, Thailand, Sept. 2019 – present

Designed a debris removal screw using CAD to prevent flooding in critical areas of Mae Chan

Collaborated with Thai residents and students to develop socially-sustainable water control technologies

Communicated across cultural and language barriers while visiting Thailand to implement devices

Work Experience

Whitmore Lake Elementary | Lab Assistant

Ann Arbor, Jan. 2020 – present

Worked with a professor and graduate student to guide biology labs for disadvantaged and at-risk children

Certified in lab safety and autoclave in order to prepare experiments for the students

Russ' Restaurants | Server

Grand Rapids, Aug. 2018 – Aug. 2019

Provided excellent customer service to over 200 guests each evening while attending university

Trained new employees and worked various positions as needed

Leadership

West Michigan Environmental Action Council | Field Instructor

Grand Rapids, Feb. 2019 – June 2019

Educated over 150 middle-school students about sustainability in an outdoor fieldwork session

Introduced students to basic water quality tests and macroinvertebrate inspection

Science Olympiad | Coach

Grand Rapids, Nov. 2018 – May 2019

Coached the Rocks and Minerals event for eight students at both junior-high and senior-high levels

Developed team-building and communication skills while inspiring the contestants to study STEM majors

Organizations

American Society of Civil Engineers | General Member

Ann Arbor, Jan. 2020 – present

Grand Rapids Community College Honors Program | Active Member

Grand Rapids, Sept. 2018 – May 2019

Technical Skills

Matlab	Microsoft Excel	Microsoft Word	Wilson II Metals Certification
C++ / Python	Solidworks CAD	Problem Solving	Autoclave Certification