

## KRISTEN GREENE

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### EDUCATION

#### **Northwestern University**

Evanston, IL; June 2023

Master of Science in Chemical Engineering

GPA: 3.84/4.00

Thesis: Integrated Assessment Modeling of Wastewater Treatment Plants

#### **Carnegie Mellon University**

Pittsburgh, PA; May 2021

Bachelor of Science in Chemistry

Minor in Engineering Studies

GPA: 3.82/4.00

Relevant Coursework: Analysis and Modeling of Transport Phenomena, Fluid Mechanics, Chemical Engineering Thermodynamics I and II, Heat and Mass Transfer, Process Optimization for Energy & Sustainability, Principles of Computing

### TECHNICAL SKILLS

- Computer: Python, Matlab, COMSOL, Mathematica, GAMS, Excel, Word, PowerPoint, Adobe, Autodesk
- Lab: Chromatography, Mass Spectrometry (MALDI), Organic Synthesis, Spectroscopy (IR, UV/Vis, NMR)
- Language: French (conversant)

### WORK EXPERIENCE

#### **Ameresco, Energy and Sustainability Intern**

Oak Brook, IL; March 2022 - August 2022

- Analyzed utility and energy usage data to determine current usage and potential energy savings for 9 buildings
- Researched new energy conservation measures, including use of backpressure steam turbines for campus steam
- Analyzed building mechanical and electrical systems to determine opportunities for retrofitting measures
- Collaborated with team of 5 project engineers to assist in energy conservation project development

#### **Carnegie Mellon University, Undergraduate Researcher**

Pittsburgh, PA; January 2019 - May 2021

- Pursued an independent research project exploring possibility of pairing Expansion Microscopy with Imaging Mass Spectrometry
- Communicated with Principal Investigator to give weekly progress reports and develop solutions to problems encountered
- Presented results at annual "Meeting of the Minds" research symposium

#### **Subway, Sandwich Maker**

Centerville, OH; Summer 2018

- Served sandwiches on a team of two people to around 150 customers per day
- Motivated and trained four new employees on standard work procedures

### LEADERSHIP/SERVICE

#### **1000Plus Day of Service, Site leader**

Pittsburgh, PA; September 2018 - April 2020

- Acted as point of contact between 3 service organizations in Pittsburgh and volunteers

#### **Kappa Alpha Theta, Scholarship Director**

Pittsburgh, PA; January 2018 - December 2018

- Monitored academic eligibility of 80 members and advised members needing help to meet academic requirements
- Coordinated two scholarship banquets where sisters invited professors for networking opportunities