

SIDDHESH KULKARNI

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Chemical and Biomolecular Engineering

GPA: **3.86** | Faculty Honors

Expected Graduation: **May 2022**

WORK EXPERIENCE

Greif, Inc.

Austell Paper Mill, Austell, GA

Process Engineer Intern

Spring 2021

- Collaborated with suppliers to conduct chemical trials focused on optimizing machine speed for a particular grade. Analyzed multi-variable data, providing recommendations
- Provided support at the QA production lab to test specs, understand operator level process decisions, and achieve continuous improvement
- Partnered with operations to complete process flow diagram for the mill operation
- Performed material balance on the pulper, evaluated potential heat loss, for future consideration of advanced heat injection system to save operational costs

Grand Rapids Controls Co., LLC

Grand Rapids, MI

Machine Operator

Summer 2021

- Performed Final Assembly at a fast-paced, auto-parts, manufacturing environment
- Troubleshooted equipment, and ensured final quality before shipment

PROJECTS FACILITATED

Independent Research, Studying Heat Transfer System

Georgia Tech, Summer 2020

- Investigated a 20-plate heat exchanger, observing trends in performance, calculating heat transfer coefficients and heat duties
- Produced a comprehensive report on operation and equipment calibration

Class Project, Cryogenic Distillation for Production of Industrial Gases from Air

Georgia Tech, Spring 2020

- Coupled two distillation columns, with the condenser of the first column supplying heat to the reboiler of the second column, to achieve a process requiring minimal energy intake

Class Project, Design of Continuous Flow Reactors for HMF production

Georgia Tech, Summer 2018

- PFR design for high product selectivity in competitive endothermic reactions
- Engineered heat transfer system, controlling temperature and mean residence time

LEADERSHIP

Elected Legislative Member of Student Government Association

Georgia Tech, Fall 2021

- Oversight of \$2 Million SGA budget (alongside Finance committee), advocating student views and passing legislation addressing constituent need

Peer Mentor

Georgia Tech, Fall 2021

- Connected Freshmen with academic success strategies and campus resources

COMPUTER SKILLS

ASPEN | MATLAB | Simulink (Process Controls) | Python (data analysis) | Java (Data Structures & Algorithms) | Office Suite (Excel, Word, Power Point)