

---

# Keelin Gangwish

Columbia, South Carolina, 29209 | (631) 896-9609 | KeelinGangwish@gmail.com

---

## Education

University of South Carolina	Expected: May 2028
Bachelors of Fine Arts: Printmaking	GPA: 4.0
The State University of New York College of Environmental Science and Forestry (SUNY ESF)	May 2019
Bachelors of Science: Paper Engineering (Chemical Engineering)	GPA: 3.33

## Engineering Experience

<b>Miwon Specialty Chemical</b>	<i>Chemical Production Engineer</i>	Nov. 2023 - Present
Columbia, South Carolina		

- Main point of contact for operations issues and troubleshooting, site expert for processes and chemistry.
- Design of automated excel sheets for batch processes and for data collection to optimize processes, prevent quality issues, minimize human error, improve safety, and initiate the KPI tracking systems for plant.
- Research and development for new polyurethane and epoxy products, requiring active communication with customers and sales for future projections and industry needs. Development of 12+ new products.
- Analyzing data and performing lab, pilot, and full-scale trials to improve batch sizes and cycle times; increased batch processing from an average of 4 batches per week up to 12, while reducing overtime hours.
- Investigation of nonconformity raw materials and products resulting in onsite aged and nonconforming material reduction from 250,000kg to <10,000kg in carried inventory.
- Developing new procedures and enforcing usage for organization, communication, and ISO9001 standards.
- Assisting with capital expenditure projects for new laboratories and production buildings (\$28MM).
- Collaboration with teams onsite and overseas in Korea, including 3-month training experience in Korea.

<b>Sylvamo/International Paper</b>	<i>Paper - Fibers Process Engineer</i>	Nov. 2022 - Oct. 2023
Eastover, South Carolina & Ticonderoga, New York		

- Developed the department's budgeting plan to ensure 2.5% year over year (\$5MM) cost reduction improvement by collecting and analyzing data to pinpoint areas of concern and bottlenecks, and leading new initiatives.
- Managed other engineers and department interns by delegating assignments, providing feedback, and training.
- Lean Six Sigma Green Belt project on screen room consistency to reduce variation, costs and improve quality.
- Coached other employees on 6 projects to certify for Six Sigma Yellow Belt.
- Led a lean manufacturing team to analyze electricity, steam, natural gas, air, and water usage in order to find opportunities for improvement to reduce our carbon footprint for greenhouse gas reduction by 2% year over year.

<i>Paper - Fibers Shift Supervisor</i>	May 2021 – Nov. 2022
--	----------------------

- Led a team of 25 operators on shift across the powerhouse, water treatment, wastewater treatment, pulp mill, re-causticizing plant, and woodyard.
- Troubleshot a variety of issues on a daily basis and communicated with other departments to make informed decisions that would affect the performance of the entire mill.
- Received monetary awards for exceeding expectations and Chairman's award for recruiting.

<i>Paper - Pulp &amp; Power Process Engineer</i>	June 2019 – May 2021
--	----------------------

- Troubleshot daily issues in the pulp mill and powerhouse.
- Improved the cost of bleaching chemicals through the reduction of ClO<sub>2</sub> by 6%.
- Managed contractors for annual outage and for downtime maintenance.
- Improved work systems to increase quality focus in power, mainly through our Energy, Deposit, and Soda Loss audits. Updated and created new PI pages. Solved problems through data analysis and fieldwork. Championed 5S.

## Technical Skills

- Proficient in Microsoft Office Suite, Advanced knowledge of Excel, Pi Processbook and Pi Datalink, ParcView and ParcGraphics, SAP, EMAXX (ERP), VISIO, Minitab, and Matlab, Adobe Suite, Procreate.

## Other Work Experience

**Ticonderoga Natural Foods Cooperative:** *Board of Directors and Secretary* (2 yrs), **International Paper:** *Engineering Intern* (3 mo.), **Finch Paper LLC:** *Engineering Intern* (3 mo.), **SUNY ESF:** *Teaching Assistant* (1 yr), **SUNY ESF:** *Research Aid* (1 yr), **The Museum of Science and Technology:** *Science Educator* (2 yrs)

---

# Keelin Gangwish

Columbia, South Carolina, 29209 | (631) 896-9609 | [KeelinGangwish@gmail.com](mailto:KeelinGangwish@gmail.com)

---