

JASMIN LOPEZ

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EDUCATION

Stanford University **Stanford, CA**
Master of Science, Management Science and Engineering Anticipated Graduation: May 2024
Georgia Institute of Technology **Atlanta, GA**
Bachelor of Science, Chemical and Biomolecular Engineering Graduated: July 2022
Cumulative GPA: 3.5 out of 4.0
Honors: Hispanic Scholarship Fund Scholar (2019-2020); Chevron Scholar (2020); Create-X Finalist (2019, 2021); Mars Packathon Finalist (2020); Recycled Paperboard Association Scholar (2021); Campus Life Scholar (2021); Taco Bell Scholar (2021); Georgia Tech's Carbon Reduction Challenge Finalist (2021)

PROFESSIONAL EXPERIENCE

WestRock **North Charleston, SC**
Process Engineering Intern August 2021 – December 2021

- Devised a turpentine benchmarking report that organized financial and process data to improve its yield by 17%
- Quantified and documented over 100+ pulp sample's lignin content for the calibration of newly installed equipment
- Assembled a novel dispersant sample collection plan to tune chemical usage and reduce chemical costs by \$50,000

Marsh & McLennan **Atlanta, GA**
Risk Management Intern May 2021 – August 2021

- Created and developed risk assessment reports on the Tokyo Olympics Organizing committee
- Assessed manufacturer's financial and business statements to determine property risk exposures
- Introduced a carbon reduction strategy to reduce a million pounds worth of CO₂ emissions through optimized office usage

The U.S. House of Representatives **Washington D.C.**
Intern for the Office of Congresswoman Nannette Diaz Barragan January 2020 – May 2020

- Authored an assessment of the EPA's superfund program to garner support for future policies
- Created a system to keep track of all the U.S. representatives with ports in their district for staffers to coordinate co-sponsorships
- Streamlined a filing system that organized funding requests of over \$100 million to be swiftly disbursed for COVID-19 relief

Partnership for Southern Equity **Atlanta, GA**
Logistics Intern May 2019 – August 2019

- Constructed an employee manual for future new hires to use as a guide during their onboarding process
- Formulated educational outreach documents to train a cohort of 20 community members on environmental evaluation
- Enhanced community engagement by working directly with frontline communities to document their needs

LEADERSHIP AND EXTRACURRICULAR EXPERIENCE

Co-Founder of the Non-Profit Tomorrow's Farmers Productions October 2021 – March 2022

- Developing the team's by-laws and articles of incorporation to set the infrastructure in-place for grant deployment
- Pioneering the marketing and financial strategy of the group to gain community traction and support

Project Lead for ESW's Hydroponics Club January 2021 – May 2021

- Set weekly meeting agendas to designate operational functions for each team member
- Launched Georgia Tech's first ever community green wall to grow dozens of leafy greens for donation

President for Engineers for a Sustainable World (ESW) July 2020 – May 2021

- Hosted educational events with researchers and industry professionals to connect students with work opportunities
- Instituted a brew research group to innovate sustainable ways to brew beer with less water consumption

Vice-President of Industry Relations for Association of Environmental Engineers and Scientists July 2020 – May 2021

- Coordinated professional development workshops centered on resume and LinkedIn design
- Acquired partnerships with corporate sponsors to host virtual presentations that grew the club's budget by over 80%

RESEARCH EXPERIENCE

Wastewater for Hydroponic Research, Dr. Yongshen Chen – Georgia Institute of Technology January 2019 – June 2019

- Collected data samples of lettuce and prepared them for dry weight analyzation
- Conducted literary reviews to establish a standard vegetation collection procedure

Project Manager for a Compost X August 2019 – December 2019

- Performed market research for the development of a smart waste bin prototype
- Led a team of graduate and undergraduate students into designing an electronic waste bin for less than \$500

SKILLS

Certificates: Pulp and Paper Manufacturing, WestRock Lean Six Sigma Yellow Belt

Instrumentation: PFI Mill Pulper, Fiber Quality Analyzer, NMR Spectrometer

Software: Microsoft Office Suite, Aspen, MiniTab, PARCview, Canva