

Projects

Free-From-All – Beauty products for environmentally-conscious consumers *October 2020*

- Fully functioning web app where users can search for beauty products with select criteria (chemical-free, vegan, etc.) and find products and local stores near the user.
- Utilized three public API's with AJAX, including an imported map object from Bing maps.
- Worked with a team to practice agile methodologies, version control, and collaboration to optimize code.
- Designed code to handle varying user inputs, asynchronous APIs and minimize function calls by using local storage

Experience

Georgia Pacific, LLC – Remote Asset Process Engineer *December 2018 - Present*

- Built ~700 machine learning models by extracting data and running scripts in SAS. These models triggered alerts on process deviations that helped reduce operational downtime by 20%.
- Contributed over \$5MM in reduced purchased chemical costs through remote monitoring, collaboration, and optimization through automation and data analytics.
- Reduced chlorine dioxide releases by 70% across the fleet by utilizing data analytics to determine root causes and automate solutions that were quickly scalable.
- Responsible for monitoring over 8000 KCF vibration sensors on mechanical equipment that required development of an outlier detection UI that contributed to over \$2MM savings in reduced downtime.

Rayonier Advanced Materials – Process Engineer *June 2018 – December 2018*

- Created a real-time graphic page in our manufacturing software PARCview that gave area managers a visualization for how much time each tank of purchased chemicals had until empty so that inventory never ran out.
- Led a drainage chemical trial to increase pulp washer efficiency by 4% and reduce caustic usage.
- Diagnosed daily quality or production issues and coordinated daily action plans with shift supervisors.

Leadership & Awards

Remote Engineer Site Lead *October 2019 – Present*

- Promoted to become the single point of contact for two assigned mills.
- Provided site leadership with cadenced review of potential large impact situations on operating reliability.
- Actively coordinated project priorities with contributors to mill performance, such as the asset health team, subject matter experts, engineers, automation, and leadership.

Koch Environmental Health & Safety Award *2019*

- My team was recognized for excellence in environmental health and safety for reducing chlorine dioxide releases across the fleet. Only three awards are given each year across all Koch enterprises.

Georgia Tech Volleyball Club – President *2016-2017*

- Led practices, assigned rosters, and organized home tournaments in compliance with school policies.

Impact Tutoring *2016-2017*

- Provided free ACT tutoring to underprivileged students.

Education

Full Stack Web Development Boot Camp, Georgia Tech Professional Education

Certificate

Currently attending, completing February 2021

Learned JavaScript, HTML, CSS, Node.js, C#, React, MySQL, MongoDB, AJAX, ASP.NET, MERN stack, CI

Edx.org Online courses

Data Structures and Algorithms in Java

successfully completed August 2020

Graph Algorithms in Java

successfully completed August 2020

Programming in Java

successfully completed July 2020

Georgia Institute of Technology, Atlanta, GA

Bachelor of Science in Chemical and Biomolecular Engineering

Class of May 2018