

# Jonathan Garcia

[jonathan.garcia1221@gmail.com](mailto:jonathan.garcia1221@gmail.com)

Portfolio: <https://jgarcia60.github.io/portfolio/>

Languages: Java, JavaScript, Node.js, MySQL, HTML, CSS

## Education

### Full Stack Web Development Boot Camp, Georgia Tech Professional Education

*Certificate*

*Currently attending, completing February 2021*

Front End semantic development using HTML5, CSS3, Bootstrap, vanilla JavaScript (ES6), jQuery/AJAX

Building RESTful APIs with Node.js, NPM, and Express

Database query interfacing using MySQL, PostgreSQL, and NoSQL solutions with MongoDB

Using React.js to build applications

### 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*

## 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 API's with AJAX, including maps from Microsoft's Bing CDN.
- 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 main point of contact for two assigned mills.
- 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.