# Jonathan Garcia

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

Technologies: Java, JavaScript, Node.js, MySQL, MongoDB, 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** 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

**Resume Builder** – Build, update, and access your resumes as PDFs through this web app          *December 2020*

- Created a RESTful resume API with full CRUD using Node.js and Express
- Utilized one-to-many associations in MySQL database with the Sequelize ORM
- Implemented user authentication with Passport to maintain document privacy
- Deployed application to Heroku

**Free From All** – Beauty product search app 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.

## 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.

## Leadership & Awards

**Remote Engineer Site Lead**                                                    *October 2019 – Present*

- Promoted to become the main point of contact for two assigned manufacturing plants.
- 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.