

# Beatriz Bravo

Full-Stack Software Engineer | Mental Health Enthusiast

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## PROFESSIONAL SUMMARY

Talented Full-stack Software Engineer with 5+ years of experience working in an agile environment as a mechanical engineer. Skilled in Node.js, React.js, and MySQL, collaborating with cross-functional teams to deliver innovative solutions. Passionate about continuous learning and driving impactful results.

## AREAS OF EXPERTISE

- Backend Development
- React
- MySQL
- Experience with ES6
- Communication Skills
- JavaScript
- Team Collaboration
- Front-end development
- GitHub
- Problem-Solving
- Database Management
- CSS Frameworks

## TECHNICAL SKILLS

**Front-end Stack:** HTML, CSS, JS, jQuery, React.js, Bootstrap, Materialize, Tailwind CSS  
**Back-end Stack:** JavaScript, Node.js, Express.js  
**Data:** SQL: MySQL, Sequelize. NoSQL: MongoDB, Mongoose  
**Dev and Ops:** Git, GitHub, Version Control

## PROFESSIONAL EXPERIENCE

**Fresh Finder** | Group Project | Columbia University

February 2024

*User-friendly e-commerce site where the user can find or list products they would like to buy/sell*

[Github.com/YuliyaTsoy/food-marketplace-app](https://github.com/YuliyaTsoy/food-marketplace-app) | [market-place-app.onrender.com/](https://market-place-app.onrender.com/)

- Led front-end development, leveraging React, React components, React Hooks, Tailwind CSS, and basic HTML/CSS coding to develop a user-friendly website.
- Implemented the use filters with GraphQL queries and mutation and React.js to automatically search and render on the home page, resulting in a robust and efficient site
- Built search bar functionality to look for products in MongoDB database, implementing GraphQL queries and mutations. Automatically rendering these results, resulting in a reactive and user-friendly application.
- **Tech stack:** React, HTML5, CSS, Tailwind CSS, Express.js, Node.js, JavaScript, GraphQL, MongoDB

**Foodie Finds** | Group Project | Columbia University

January 2024

*Search a database of reviewed restaurants, based on a specific location, type of food, and/or type of restaurant. The user is able to create an account and add their own review.*

[github.com/nicholascatalano/foodie-finds-app](https://github.com/nicholascatalano/foodie-finds-app) | [foodie-finds.onrender.com/](https://foodie-finds.onrender.com/)

- Led back-end development by building 10+ RESTful API routes, allowing the end-user to successfully and easily navigate site
- Executed full-stack filter functionality utilizing JavaScript, Sequelize.js, and MySQL operators, culminating in a resilient and highly responsive application.
- Facilitated project meetings with team members, gathering requirements and vision for the successful completion of group project
- **Tech stack:** HTML5, CSS, JavaScript, Node, MySQL, Sequelize, external TripAdvisor API

## PROFESSIONAL EXPERIENCE (CONTINUED)

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**Wrapify** | Group Project | Columbia University

December 2023

*Find products based on specific search criteria. Designed to interact with external API's to search and view Amazon products and perform sentiment analysis on each product.*

[github.com/BeaBravo/wrapify](https://github.com/BeaBravo/wrapify) | [beabravo.github.io/wrapify/](https://beabravo.github.io/wrapify/)

- Spearheaded the enhancement of website aesthetics by personally crafting a custom CSS stylesheet and leveraging the Materialize library, ensuring a seamless user experience and modern design standards.
- Engineered a dynamic JavaScript script file to dynamically render and display the top 5 results on the webpage, enhancing user engagement and facilitating efficient data presentation.
- Led project meetings to gather team input, defining project requirements and vision for successful group project completion
- Tech Stack: HTML5, CSS, and JavaScript

**Plant/Contact Engineer** | Suncor Energy, Inc., Edmonton, AB

Nov 2018 – Sep 2023

*Worked closely with cross-functional teams to troubleshoot and optimize units operations to provide maximum product yields, while maintaining safe operations*

- Engineered over 100 construction packages promptly and within budget, strictly adhering to industry safety standards. This proactive approach averted delays and conflicts with concurrent projects, fostering cost-effectiveness and operational efficiency
- Mentored 15+ junior engineers on navigating the company standards, providing training and 1-on-1 tutoring on relevant topics to prepare them to succeed in their roles.
- Led inspections of 20+ critical equipment units, promptly communicating findings to optimize operations despite time and resource constraints, minimized downtime, contributing to operational efficiency and cost savings.

## EDUCATION

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**Full Stack Developer Bootcamp** | Columbia University

Nov 2023 – Feb 2024

- Successfully completed 21 individual software development projects and 3 group projects during the bootcamp program, maintaining an average grade of 100% while consistently delivering high-quality results.
- Working knowledge on AWS, Python, and Java

**Master's in Mechanical Engineering** | University of Alberta

Sep 2016 – Apr 2018

**BSc. in Mechanical Engineering** | University of Alberta

Sep 2012 – Apr 2016