

Beatriz Bravo

Junior Software Developer | Mental Health Enthusiast

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PROFESSIONAL SUMMARY

Dynamic and forward-thinking software engineer with a diverse background in mechanical engineering and comprehensive training in full-stack web development from Columbia University. Proficient in a wide range of technologies, including HTML, CSS, JavaScript, React.js, Node.js, Express.js, MySQL, and MongoDB. Skilled in building responsive web applications and RESTful APIs, with a strong focus on problem-solving and collaborative teamwork. Proven track record of success in leading cross-functional teams and delivering impactful projects in both the engineering and software development fields. Committed to continuous learning and professional growth, with a passion for leveraging technology to drive innovation and solve complex challenges.

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/

- 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 | 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) -----

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 | 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 -----

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