Melissa Abreu

📞 484-522-9422 ✉ [Email](#) ○ [Github](#) 🖊 [Portfolio](#) 🔗 [Linkedin](#)

Education

General Assembly — New York, New York
Advance Software Engineering Immersive Program
- <u>Coursework</u>: Full-Stack Development (MERN/PERN), Advanced JavaScript (ES6+), React, Node.js, Express, PostgreSQL/MongoDB, REST APIs, Test-Driven Development (TDD), and Agile Methodology

Queens College, City University of New York — New York, New York
Bachelor of Arts - Economics
- <u>Research:</u>, Analyzed OECD data for 37 countries to determine the relationship between Labor Productivity & Utilization.
- <u>Coursework</u>: Price Theory, Econometrics, Business & Economics, Statistics.
- <u>Clubs</u>: Member of Alliance of Latin American Students (ALAS).

Borough of Manhattan Community College — New York, New York
Associate of Arts - Liberal Arts
- <u>Clubs</u>: Member of Freshman Learning Academy (FLA).

Experience

Felipe Tax Corporation — New York, NY
Tax Preparer — *Jan. 2022 – Apr. 2025*
- Automated client filing workflows using VBA/Excel macros, reducing average the firms client base turnaround time by 36%.
- Analyzed large financial datasets & records for 300+ individual & business tax returns annually ensuring 100% compliance.
- Provided data-driven financial advice, optimizing tax liabilities and maximizing return value based on detailed analytics.
- Trained >5 staff members on digital filing systems with improved documentation processes, increasing team efficiency.

Walmart E-Commerce — Pedricktown, NJ
Logistics Coordinator — *Aug. 2021 – Dec. 2022*
- Managed and queried high-volume SQL and NOVA databases containing logistics data for a national distribution center.
- Engineered a dashboard to monitor & categorize 50/weekly incoming tickets, reducing critical system response time by 25%.
- Collaborated directly with senior backend engineers on 3 major process automation projects to troubleshoot system errors and streamline large-scale package flow.

Projects

Cook Up | *React, Node.js, Express, and MongoDB*
- Built a full-stack application with React, Node.js, Express, and MongoDB, designed to solve the common user problem of meal planning with available ingredients.
- Integrated the Google Gemini API to provide dynamic, AI-powered recipe generation, handling complex asynchronous requests for content creation.
- Implemented a user-centric design using Tailwind CSS & the MVC architecture that resulted in a fully responsive interface.
- Managed the full CRUD cycle for recipe saving, editing, and deletion, ensuring data persistence and a good user experience.

Tellin' | *Go, Next.js, PostgreSQL, Redis, S3*
- Built a traditional full-stack CRUD application using vanilla JavaScript, EJS templates, CSS, and Express to serve user-generated content (photographs, poems, short stories).
- Executed complete backend logic and routing using Express, managing data storage & retrieval via PostgreSQL / MongoDB.
- Demonstrated foundational competency in full-stack development without relying on modern frameworks.

Concentration | *Python, FastAPI, PostgreSQL, Redis, OpenSearch, RAG*
- Created a classic memory matching game developed with JavaScript and CSS, focusing on clean code and DOM manipulation logic.
- Implemented time complexity considerations and strict game logic to track up to 16 distinct image pairs with a fixed attempt limit (4 tries), ensuring playability and challenge.

Echoes | *JavaScript, EJS templates, CSS, and Express*
- Built a traditional full-stack CRUD application using vanilla JavaScript, EJS templates, CSS, and Express to serve user-generated content (photographs, poems, short stories).
- Executed complete backend logic and routing using Express, managing data storage and retrieval via PostgreSQL.
- Demonstrated foundational competency in full-stack development without relying on modern frameworks.

Technical Skills

Languages: JavaScript (ES6+), Python, HTML5, CSS3, SQL, Tailwind CSS
Frameworks, Libraries & Databases: React, Node.js, Express, Django, Bootstrap, jQuery, PostgreSQL, MongoDB
Tools & Platforms: Git/GitHub, VS Code, Heroku, Render, Netlify, Postman, R, QuickBooks, Adobe, Drake
Coursework/Concepts: REST APIs, Agile, MVC Architecture, Responsive Design, Test-Driven Development (TDD)