

JACQUELINE MALONEY

Bohemia, NY 11716

631-664-0068 | jmaloney11277@gmail.com

LinkedIn: www.linkedin.com/in/jacqueline-maloney-637590208/ |

Portfolio: <https://github.com/jmalon10/React-Portfolio> | GitHub: <https://github.com/jmalon10>

SUMMARY

Full-stack web developer with a biochemistry background and hands-on experience with laboratory information management systems (LIMS). Recently earned a certificate in full-stack web development from Columbia University's intensive coding bootcamp. Passionate about integrating technical and scientific expertise to solve complex problems, with strengths in data analysis, teamwork, and project execution.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, R

Frameworks & Libraries: React, Node.js, Express.js, MongoDB, PostgreSQL, Sequelize, GraphQL, Apollo Server

Tools & Platforms: Git, Docker, Jupyter Notebook, Cypress, Render, MongoDB Atlas, Insomnia, Render

Methodologies: Agile, Test-Driven Development (TDD), RESTful API's, GraphQL APIs

PROJECTS

Discover-fy | <https://github.com/jmalon10/Discover-fy> | <https://discover-fy.onrender.com/>

- Search an artist by name and create a playlist of their top 50 songs
- Code reviewer, configured API call, functionality of saving a playlist using Sequelize
- TypeScript, React, Node.js, Express, Sequelize, PostgreSQL, Vite, Tailwind CSS

Novel-Nook | <https://github.com/jmalon10/Novel-Nook> | <https://novel-nook.onrender.com/>

- Add Suggested NYT bestsellers to your library by genre or by searching by book title
- Code reviewer, configured multiple API calls for book information and images, created GraphQL queries and mutations for MongoDB database manipulation, JSON Web Token (JWT) Authentication
- TypeScript, React, Node.js, Express, MongoDB, GraphQL, Tailwind CSS, Render

EXPERIENCE

Research Technician IV, August 2023 – August 2024

University of Rochester - Genomics Research Center | Rochester, NY

- Conducted quality control on RNA and DNA samples using advanced bioanalysis techniques
- Maintained high standards of accuracy in data reporting and analysis for genomic research using Standard Operating Procedure (SOP's) and the Laboratory Information Management System (LIMS)

NIST SURF FellowShip Intern, Summer 2022

National Institute of Standards and Technology | Remote

- Enhanced search functionality for a LIMS database for an electron microscopy lab (NexusLIMS)
- Upheld efficient communication with a remote team who taught me to use Docker, Github, Jupyter Notebook and the CLI

EDUCATION

Certificate in Full-Stack Web Development August 2024 - November 2024

Columbia University, New York, NY

- Intensive 12-week program focused on front-end and back-end web development.
- Gained proficiency in MERN stack, the Git Workflow, and modern testing methodologies

Bachelor of Science in Biochemistry

SUNY Geneseo, Geneseo, NY

Graduated May 2023 | GPA: 3.91 | Summa Cum Laude