Fanny Chen

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LinkedIn: www.linkedin.com/in/fanny23 | **GitHub**: https://github.com/fannychen623
Portfolio: https://fannychen623.github.io/Fanny-Chen-Digital-Portfolio/

Summary

Full stack web developer with a background in Chemical Engineering and Health Physics. Completed a full stack web development certification as top of the class student from the Columbia Engineering Coding Bootcamp. Quick thinker and learner with passion and creativity for web application development. Strength in communication, problem solving, organization, and teamwork.

Technical Skills

Languages: Javascript, SQL, HTML, CSS, NoSQL, Python, Visual Basics for Applications (VBA)
Tools: GitHub, MongoDB, MySQL, Express, React, Node, Handlebars, jQuery, Apollo/GraphQL, CSS Frameworks, Render

Relevant Experience

Physicist I, Physics Software Engineer (pending)   2021-Present
Memorial Sloan Kettering Cancer Center   New York, NY
Improve existing and develop new systems to increase efficiency of different workflows.
Key Accomplishments:
- Worked with the digITs team to create a web/iOS application that tracks confidential patient treatment data.
- Worked with the digITs team to create a web/iOS application to submit requests and track radioactive waste.
- Created an electronic database that tracks lifetime radiation dose to staff members from 1947 to present (100,000+ entries).
- Upgraded internal systems and databases with Excel VBA to increase workflow efficiency by over 100%.
- Working with Epic Systems team to assist in the company transition from the current healthcare system.

Quality Engineer Intern   Summer 2020
Aerco International, Inc   Blauvelt, NY
Convert physical paper data tracking to a real-time electronic system. Automate data analysis to increase yield.
Key Accomplishments:
- Developed a program with VBA that tracked real-time data for the fabrication and testing of an entire product line.
- Developed a program with VBA that tracked and generated reports for testing and calibration data.
- Used PowerBI to automate graphics development for data analysis (reduced data-mining time by over 70%).

Projects

Dietry | https://github.com/fannychen623/diet-planner | https://dietry.onrender.com
Summary: A react application where users can create an account to track their diet, weight, and macronutrients. Add food, create meals, create profile, and track diet progress.
Role: Full stack (Personal Project) | *Tools:* React, MongoDB, Express, Handlebars, Apollo/GraphQL, USDA Food API, Chakra, Render

Step It Up | https://github.com/analisegiobbi3/Step_IT_Up | *no longer deployed*
Summary: A react application where users can create an account to track their workout routines, weight, and caloric intake. Create unique workout routines, share updates or progress, and find workout playlists.
Role: Full stack | *Tools:* React, MongoDB, Express, Handlebars, Apollo/GraphQL, Spotify API, Chakra

Share A Byte | https://github.com/fannychen623/Project-02-Recipe-Book | https://share-a-byte.herokuapp.com/
Summary: An application where users can create, like, and share recipes. Also features openAI API to create and save unique recipes.
Role: Full stack | *Tools:* Node, Express, Handlebars, Sequelize, MySQL, OpenAI API, Bulma

Additional Experience

Production Engineer, Regulatory Assistant   2019-2021
L&Z US Inc.   Norwood, NJ
Teacher's Assistant   2020-2021
The Cooper Union for the Advancement of Science and Art   New York, NY

Education

Columbia Engineering Coding Bootcamp   New York, NY | 2022 - 2023 | Final Grade: A+
Certificate, Full Stack Web Development

The Cooper Union for the Advancement of Science and Art   New York, NY | 2017 - 2021 | Major GPA: 3.7/4.0
Bachelor's Degree, Major: Chemical Engineer | Minor: Humanities and Social Science