

Jeffrey Fernandez

Software Engineering Student

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🔗 projects - GitHub 🔗 Jeffreys Portfolio 🔗 LinkedIn 🐦 Twitter

EDUCATION

Richmond Hill High School

Sep 2021 – Jun 2025 | Richmond Hill, New York

- Elected Co-Captain of Richmond Hill Varsity Soccer Team
- Contributing to school creating websites such as the MBSK website and more
- Awarded Advance Placement In Computer Science Curriculum
- Passed Economics with a **99** and part in Government with a **98**
- Pathway Matching Program to obtain a job as an apprentice at JP Morgan & Chase for 3 years

Arizona State University course

- Completed professional development in AWS Cloud Computing 1 with Arizona State University, Got the AWS Certified Cloud Practitioner badge
- Arizona State AP English Poetry, Poetry in America Course

BMCC Borough of Manhattan Community College course

New York, United States

- CSC 101-0101 Course with College Now at the **Borough of Manhattan Community College** for the Summer 23 Semester.

PROFESSIONAL EXPERIENCE

Software Engineer Intern JPMorgan Chase (JPMC), Dining Technology Team

May 2020 – present
JPMorgan Chase (JPMC), New York

- Developed **front-end and back-end** solutions for dining-related applications using **TypeScript, React, and Node.js**.
- Worked on creating **user-friendly interfaces** that allow customers to easily browse, search, and review restaurants.
- Integrated **mapping libraries** such as **Leaflet.js** for restaurant location services, enhancing the user experience with **interactive maps**.
- Built and maintained **large-scale applications** leveraging internal tools and frameworks to streamline development and ensure scalability.
- Collaborated with cross-functional teams, including **UX/UI designers** and **backend developers**, to deliver high-performance dining solutions.
- Engaged in **agile development** practices, participating in sprint planning, code reviews, and daily stand-ups.
- Actively troubleshooted and debugged complex issues, ensuring **smooth app performance** and reducing technical debt in the codebase.
- Played a key role in improving user engagement through the development of **new features** based on **dining technology** trends and customer feedback.

Computer Science Experience

South Ozone Park, New York

- Completed courses in **Python, data analysis, and software engineering** through platforms like Jovian, Harvard, and Udemy, applying real-world programming scenarios.
- Collaborated with programming teams on **Discord** and **Telegram**, enhancing skills in **code development, testing, and solution design**.
- Developed and engineered software using **service-oriented architecture** and **object-oriented programming** principles.
- Analyzed complex data sets and trends, using tools like **Matplotlib** and **NumPy** to support **data-driven decision-making**.
- Designed, developed, and tested code independently, staying up to date with advancements in various **frameworks**.

Finance Experience

New York City

- Gained hands-on experience in **sales and reselling**, working with **gold, jewelry**, and high-demand products.
- Managed business transactions, negotiating deals, and assessing the value of assets for resale.
- Learned key financial strategies from mentors, especially in **real estate** and **investment management**.
- Developed a strong understanding of **market trends, profit margins, and cost analysis** through real-world reselling practices.
- Built relationships with **industry professionals**, enhancing my knowledge in **finance, wealth management, and entrepreneurship**.

PROJECTS

Zagat Map, JP Morgan Chase (JPMC), Dining Technology team

Oct 2023 – present

At JPMorgan Chase, I use internal tools and frameworks like **React** with the use of **TypeScript**, and **Leaflet** to develop a dynamic system that maps recommended restaurants based on **Zagat Review** survey data collected after dining. As the project evolves, new features are continually added, allowing users to filter restaurants based on **atmosphere, food quality, service, and location** across **New York City** and the five boroughs. I Lead a group of interns to work together in teams to appropriately use our materials to get the job done while working in sprints.

Goldman Sachs & JP Morgan Stock prices Data Analysis, Personal Project

Dec 2023 – Jan 2024

This project involves the visualization of data from two CSV files containing the prices of JPMorgan Chase and Goldman Sachs. The aim is to explore the relationship between the prices of the two stocks and identify any trends or patterns. 🔗

Working with Neural Networks and the MNIST Dataset

Apr 2023 – May 2023

In this project, I used tutorials to learn how to classify handwritten digits from the MNIST dataset using neural networks. I applied Python with TensorFlow, Keras, and NumPy to build, train, and evaluate the model, aiming to predict digits accurately. 🔗