

Nestor Reategui

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EDUCATION

Cal State University Fullerton

Fullerton, CA

Bachelor of Science in Computer Science, Minor in Mathematics

December 2025

Coursework: Front-End Engineering, Back-End Engineering, Software Design and Architecture, File Structures and Databases, Data Structures, Algorithms, Compilers, Object-Oriented Programming, Operating Systems

EXPERIENCE

Pairs Trading Undergraduate Researcher

Summer 2023

Cal State University Fullerton

Fullerton, CA

- Collaboratively developed a C++ application for a pairs trading strategy, retrieving real-time stock data from Yahoo Finance and using optimized data structures for efficient data manipulation and analysis.
- Conducted comprehensive statistical analysis (mean, median, IQR, standard deviation, correlation) with a partner to assess stock relationships and cointegration, utilizing C++ libraries for data processing and demonstrating the strategy's effectiveness through validation.

Math Department Instructional Student Assistant

September 2024 - Present

Cal State University Fullerton

Fullerton, CA

- Reviewed and graded assignments for over 50 students enrolled in Linear Algebra and Differential Equations in a timely manner, ensuring accuracy and completeness in submissions and records
- Provided constructive feedback to students to enhance understanding and performance, highlighting areas of improvement and offering suggestions for further study

PROJECTS

Tempestive | *React, WeatherBIT API, FetchAPI*

March 2024

- Developed a dynamic React interface displaying real-time weather data in a user-friendly format, with interactive search functionality for major U.S. cities.
- Utilized the WeatherBIT API and FetchAPI to retrieve weather data using asynchronous JavaScript techniques, with React Router enhancing navigation and linking to detailed forecast pages.

HobbyHub | *React, Supabase*

April 2024

- Engineered a full-stack web application with real-time updates, responsive design, and interactive CRUD operations for posts and comments, along with a robust search feature.
- Utilized Supabase for persistent backend data management and implemented advanced React Hooks (useState, useEffect, useParams) and React Router to enable seamless navigation and dynamic content rendering.

Zed Matchups | *Javascript, Railway, PostgreSQL, HTML, CSS*

September 2024

- Built a dynamic web application using HTML, CSS, and JavaScript, integrated with a PostgreSQL database, utilizing SQL commands for querying and managing data.
- Deployed and managed a PostgreSQL database on Railway, displaying real-time data in the web app by executing SQL queries for data retrieval and updates.

EXTRACURRICULAR / CERTIFICATIONS

Association for Computing Machinery | FullyHacks Organizer, Organization Member

2024

- Co-Organized the planning and execution of a large-scale hackathon, successfully attracting over 400 applicants and securing 10 industry-leading sponsors
- Oversaw a team of volunteers and coordinators, fostering a collaborative environment that contributed to the event's overall success and positive participant feedback

Codepath | Advanced Web Development, Intermediate Interview Prep, Internship Connection Program

2024

TECHNICAL SKILLS

Languages: JavaScript, Typescript, HTML/CSS, Python, C/C++, PHP, SQL, R, x86 NASM

Frameworks: React.js, Next.js, Svelte, Express.js, Flask, Node.js, Tailwind CSS

Tools: Git/Github, Linux, Postman, Supabase, Railway, Visual Studio Code