

# Nestor Reategui

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## EDUCATION

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### Cal State University Fullerton

Fullerton, CA

*Bachelor of Science in Computer Science, Minor in Mathematics*

*May 2025*

**Coursework:** Front-End Engineering, Back-End Engineering, Software Design and Architecture, Databases, Data Structures, Algorithms, Compilers, Operating Systems, Machine Learning, Computer Communications

## EXPERIENCE

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### Pairs Trading Undergraduate Researcher

Summer 2023

*Cal State University Fullerton*

*Fullerton, CA*

- Collaboratively develop a pairs trading strategy in C++, integrating real-time stock data from Yahoo Finance and optimizing data structures for efficient analysis.
- Design a predictive algorithm to assess stock price trends and co-integration, forecasting potential price increases based on statistical relationships.

### Math Department Instructional Student Assistant

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

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### 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.

### Flight-Aid | *React, Express.js, Supabase, PostgreSQL*

2025 - Present

- Developed a full-stack vacation planning web app using React, Express, and PostgreSQL, enabling users to create and manage personalized itineraries.
- Integrated Supabase authentication for secure user management and Google Maps API to help users search destinations and find nearby restaurants.

## EXTRACURRICULAR / CERTIFICATIONS

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### Association for Computing Machinery | Open Source Board Member, FullyHacks Organizer

2024 - Present

- Host weekly workshops and create technical demos to teach students various aspects of software engineering, including API's, back-end frameworks, and databases.
- Led a project team to build a gallery for ACM website by coordinating tasks, setting deadlines, and ensuring clear communication among team members.

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

2024

## TECHNICAL SKILLS

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

**Web Development:** React.js, Express.js, Svelte, Angular, Next.js, Flask, FastAPI, TailwindCSS

**Frameworks:** PostgreSQL, SQLite, MongoDB, Supabase, Firebase, AWS, Docker, Redis

**Tools:** Git/Github, Linux, RESTAPIs, Bash, Postman, Railway, Visual Studio Code