

Sean Lumasag

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EDUCATION

Rutgers University

B.S. in Computer Science and Data Science

Expected 2027

New Brunswick, NJ

- GPA: 3.9 | Honors: Dean's List (2x)
- Coursework: Data Structures, Computer Architecture, Discrete Structures, Linear Algebra

EXPERIENCE

Software Engineering Intern

May 2025 – August 2025

Data Storytelling

Milltown, NJ

- Developed transactional backend features for a fundraising web application by using PostgreSQL, JavaScript, and React, supporting \$1,000+ in monthly purchases
- Implemented real-time synchronization of user and payment data across 7+ database tables by integrating Supabase and PayPal APIs
- Improved feature scalability and developer efficiency by building 3 reusable JavaScript utility functions, querying databases and process data into actionable insights for users
- Enhanced account security for 100+ users by configuring 20+ row level security policies, preventing unauthorized data access and ensuring compliance with data protection best practices

Coding Instructor

June 2024 – August 2024

Hadoop Express

Parsippany, NJ

- Led weekly STEM instruction to 20+ students by guiding them through programming and engineering challenges
- Instructed Python, block coding, and robotics concepts by utilizing WeDo, EV3, and other learning platforms, achieving a 90% student module completion rate
- Accelerated student technical growth by implementing 50+ hands-on mini projects, reinforcing core concepts and problem solving skills

Software Engineering Intern

April 2024 – June 2024

Tag Online

Clifton, NJ

- Developed responsive frontend components for business client websites by using HTML, CSS, and JavaScript, enhancing the UI/UX for 500+ monthly visitors
- Optimized site performance by refactoring and migrating legacy websites using WordPress CMS, reducing page load times by an average of 10%
- Delivered 4+ branded pages by integrating and extending functionality of 20+ plugins and themes, aligning with business client needs and company branding
- Maintained consistent design and user experience across multiple website versions by standardizing and adapting styles from 4+ legacy codebases and design files

PROJECTS

QuantILabs | React, Spring Boot, PostgreSQL

August 2025

- Developed a full-stack web application serving as a quantitative backtester based on 6+ user market parameter inputs through an interactive React interface
- Designed and implemented 5 RESTful APIs using Spring Boot to handle user input and persist backtesting results in PostgreSQL
- Integrated Alpaca API to stream 100+ real-time market data points per second, enabling accurate backtesting and simulation of trading strategies

CKDPredict | React, Spring Boot, PostgreSQL, PyTorch

July 2025

- Developed a full-stack web application serving as a risk predictor for Chronic Kidney Disease based on 4 user health inputs through an interactive React interface
- Designed and implemented 5 RESTful APIs using Spring Boot to handle user input and persist prediction data in PostgreSQL
- Integrated and trained a PyTorch machine learning model based on 400+ data samples, deployed via a FastAPI microservice

SKILLS

Languages: Java, Python, C++, JavaScript, HTML, CSS

Frameworks: React, Spring Boot, PyTorch

Tools: PostgreSQL, Git, VSCode