

Kyoshi Noda

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EDUCATION

Queens College | Queens, NY

December 2026

M.A Computer Science

SUNY Farmingdale State College | Farmingdale, NY

December 2024

B.S. Computer Science

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, Go, C++, HTML/CSS

Technologies: ReactJS, NextJS, Redux, Angular, Spring Boot, Apache Kafka, Protocol Buffers, Redis, PostgreSQL, MySQL, MongoDB, Express, Flask, NodeJS, gRPC, Pandas, TensorFlow, scikit-learn, Maven

EXPERIENCE

SAS Institute | Software Engineer Intern (Year Round)

May 2023 - Present

- Long-term technical intern with **three consecutive full-time** summers and part-time work during academic terms, focused on full stack development across **Angular** workflows and **Spring** microservices and **Python Data Engineering**.
- Engineered reusable Angular end-to-end workflows/wizards integrated with **NgRx** for state management, featuring comprehensive error handling, real-time data synchronization, and dynamic store updates.
- Created a Python testing tool script using **Pandas** and **Matplotlib** to detect and visualize discrepancies in license generation between legacy and modernized codebases, **reducing issue identification time by 40%**.
- Built **REST** endpoints in Java Spring Boot enabling the automated issuance of emergency licenses for expired users.
- Ensured **100% code coverage** in full-stack unit testing using Mockito, Junit, Jest, Jasmine.

CodePath | Tech Fellow

May 2025 - Present

- Mentored **300+ students** in Technical Interview Prep 102 course, focusing on LeetCode-style data structures and algorithms covering topics such as Two Pointer, Hashmaps, Stacks, Queues, Linked List, Trees, Graphs, Dynamic Programming etc.
- Led interactive discussions on problem-solving strategies and debugging techniques to enhance technical proficiency.

Farmingdale State College | ML Researcher

March 2024 - Dec 2024

- Trained a Random Forest model with **86% accuracy** that predicts soccer players injuries in future matches.
- Collected and preprocessed **100,000+ data points** from multiple sources, integrating real-time weather and match details to improve prediction accuracy by 15% using Python, Pandas, scikit-learn, TensorFlow, Beautiful Soup.
- Leveraged real-time APIs to provide injury predictions within 5 minutes of weather or game condition changes.

ACM Computer Tech Club | Vice President

Apr 2021 - May 2022

- Founded the university's ACM Chapter, with total **membership to 250+ and organized 15 diverse events**, including industry experts talks, technical workshops, resume reviews, and networking, **with a 70% average turnout**.
- Oversaw the recruitment process, crafted a diverse set of interview questions and conducted over **50 interviews**.

PROJECTS

[Flux](#) | Java, gRPC, Protocol Buffers, Docker, Kyro, Maven

- Developed a distributed real-time event streaming and message queue platform designed for high throughput, horizontal scalability and fault tolerance. Inspired by **Apache Kafka** architecture.
- Processed **330,000 messages/sec** by optimizing buffering, parallelizing network requests and hash-based load-balancing.
- Implemented gRPC-based communication with Protocol Buffers for data transmissions and service orchestration across nodes.
- Designed hierarchical storage architecture with partitioned logs and segment persistence for data management and retrieval.

[Schedule Finder](#) | Typescript, React, Express, Redux, MongoDB, TailwindCSS

- Developed a full-stack schedule matchmaker that enables students to create and compare schedules with others, tailored for individuals seeking to connect with others based on common hobbies/interests and shared availability.
- Integrated an AI-powered user recommendation engine using a **Weighted Sum (WS)** model following the **Multi-Objective Optimization (MOO)** framework to match users based on availability, distance, hobbies, and gender preferences.
- Implemented a friend request system with automated email notifications, enhancing user engagement and retention rates.
- Ensured **100% code coverage** in full-stack unit testing using Vitest, React Testing Library, Mocha & Chai.