

Kensay Sato

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Education

Stevens Institute of Technology

Bachelor of Engineering in Software Engineering

GPA: 3.71

Graduation: June 2025

Honors: Edwin A. Stevens Scholarship, Dean's List

Extracurriculars: Phi Sigma Kappa Fraternity, Japanese Student Association, Software Engineering Club

Coursework: Data Structures, Algorithms, Object-Oriented Programming, Web Programming, Agile Methods of Software Development, Object-Oriented Software Design

Work Experience

Oak Hill Advisors | *Software Engineer Intern*

May 2023 – Present

- Constructed REST APIs in a microservices environment leveraging AWS Lambda, S3, RDS, following the MVC design pattern.
- Developed and implemented a multi-threaded ETL pipeline leading to **annual savings of over \$80,000**.
- Significantly improved data retrieval efficiency by implementing Redis caching in a .NET/SQL Server backend, resulting in a **6x performance increase**.
- Led robust unit and integration testing utilizing advanced mocking techniques, simulating API retrieval.
- Thrived in an Agile environment and efficiency deployed applications via Azure DevOps CI/CD pipelines.

Viewmind | *Software Developer Intern*

May 2022 – September 2022

- Engineered a patient-centric mobile report page utilizing ReactJS and REST APIs, significantly enhancing the patient-user interface.
- Leveraged diverse JavaScript libraries, including Axios and Chart.js, which **increased data retrieval and visualization efficiency by 2x**.
- Proactively streamlined the coding environment via precise API endpoint adjustments, fostering greater development efficiency and **reducing project delivery time by 2 weeks**.

RemoteED | *Programming Instructor*

June 2021 – August 2021

- Instructed multiple classes weekly over Zoom for 10 elementary students on topics covering Python and JavaScript.
- Expanded upon existing summer camp curriculums to better enhance the student's understanding of technical concepts.

Projects

Friendify: Social Music Platform | *Node, Express, MongoDB, Bootstrap*

May 2023

- Led a team of 4 to build Friendify, a full-stack web application, enhancing Spotify's user experience by adding social interaction and music taste compatibility.
- Ensured reliable operation and broad accessibility through robust error handling, focus on web accessibility standards, vulnerability assessments, and industry-standard encryption.

Medical Billing Portal | *React, Node, JavaScript, HTML/CSS*

November 2022

- Created a user-friendly medical billing portal streamlining payment processing for over 2000 patients.
- Developed a responsive interface and ensured seamless performance across various devices and browsers.

Technical Skills

- **Programming Languages:** Python, C#, JavaScript, Java, C++
- **Frameworks/Libraries:** Node, React, Express, .NET, Handlebars, Bootstrap, jQuery
- **Databases:** MongoDB, SQL Server, Redis
- **Certifications:** AWS Certified Cloud Practitioner
- **Tools:** Git, AWS, Postman, Linux, Azure DevOps, Agile, UML
- **Spoken Languages:** Fluent in Japanese

Leadership Experience

Phi Sigma Kappa | *Lead Technology Chair*

Jun 2022 – Present

- Spearheaded the design and deployment of a scalable Wi-Fi infrastructure, accommodating 60+ users, resulting in a 95% reduction in peak-time disruptions.
- Led and mentored a team of 4 aspiring tech chairs, providing guidance on resolving over 10+ technical issues per month for house members, enhancing tech support efficiency.

Japanese Student Association | *Secretary*

April 2022 – June 2023

- Curated 12 unique Japanese cultural events in coordination with school officials, contributing to 150% growth of the club.
- Managed documentation for weekly meetings and maintained engagement with 120 members using news letters.