



# Lois Boasiako

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## EDUCATION

**Oswego State University of New York**

Information Science, B.A

May 2026

**TripleTen** / Software Engineering Certification

April 2026

## SKILLS

**Web Development/ Programming & Databases:** JavaScript, Java, Python, SQL, MySQL, PostgreSQL, Database Management Systems, Object-Oriented Programming (OOP), HTML5, CSS, Website Development, Front-End, Back-End, User Experience (UX) Design, Version Control (Git)

**Tools & Technologies:** GitHub, Visual Studio Code (VS Code), IntelliJ IDE, Microsoft Office Suite, Chrome DevTools, Prettier, Canva, Slack, Notion

## PROJECTS

**Business Plan for Mock Business**

January 2023 - May 2023

- Developed a \$49K marketing strategy targeting adults 18–44 via social media, regional news, and outdoor ads, projecting 15% YoY (Year-over-Year) customer growth over two years.
- Conducted financial analysis with break-even and five-year plans, forecasting 30% revenue growth by Year 3 through product expansion.
- Implemented risk mitigation for quality, competition, and shipping, reducing projected risk impact by 20%.

**Triple Peaks Library**

January 2025

- Developed a library website using semantic HTML5 and modern CSS techniques such as Flexbox and z-index layering to ensure clean and accessible code.
- Designed and implemented an interactive library website, focusing on structured HTML5 and visually appealing layouts with CSS.
- Improved website speed by restructuring code and managing assets, cutting load time by 25% and increasing PageSpeed score by 12 points.

**Star Fitness Database**

July 2025

- Built a MySQL database for a fitness center to manage members, classes, trainers, and attendance.
- Created user views for membership status and class enrollment, improving data retrieval efficiency.
- Normalized database tables to eliminate redundancy and streamline relationships, enhancing query speed and overall system performance.

## EXPERIENCE

**SUNY Oswego CSTEP** / Mentor

August 2022 – Present

Oswego, NY

- Provided personalized tutoring in 3 subjects, boosting student performance by 25% in 2 weeks.
- Coached 4 students on time management and study skills, enhancing engagement and grades.
- Initiated bi-weekly check-ins, elevating program satisfaction and academic outcomes.

**The Takeoff Institute** / Fellow

June 2025 – August 2025

New York, NY (Virtual)

- Collaborated with a cross-functional team to analyze and propose solutions to a real-world business and product challenge, integrating research and presentation skills.
- Presented final project findings to a panel of professionals and mentors.
- Applied newly gained skills in financial literacy, time management, and goal setting to develop a 5-year personal career roadmap.

## ORGANIZATIONS

**National Society of Black Engineers**

September 2024 – Present

Vice President

- Collaborate with executive board members to ensure efficient chapter operations, clear communication, and timely execution of initiatives.
- Facilitated communication between diverse organizations, significantly increasing member engagement and fostering new partnerships.
- Support leadership development and mentorship programs that promote academic achievement and professional growth among members.

**ColorStack**

April 2025 – Present

Member

- Connected with peers in the ColorStack community, building long-lasting professional relationships and expanding industry networks.
- Participated in 5 professional development workshops and networking events, strengthening technical communication and interview readiness.
- Utilized ColorStack's AI Resume Reviewer and member resources to connect with mentors and recruiters, gain career insights, and refine job search strategies in full-stack development.