# Lois Boasiako

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## EDUCATION

**Oswego State University of New York**                                        *August 2022 - Expected May 2026*
*Information Science, B.A*
- **Coursework:** Data Structures and Algorithms, Principles of Programming Software Design, Multi/Hypermedia Design, Systems Programming, Database Management, Programming Languages, Statistics in the Sciences

**TripleTen /** *Software Engineering Certification*                                        *Jan 2025 - November 2025*
**CodePath /** *Technical Prep Interview (TIP 101)*                                        *June 2025 - August 2025*

## SKILLS

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

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

## 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 peers to research and solve a real-world product challenge.
- Presented final project findings to a panel of professionals and mentors.
- Applied newly acquired skills in financial literacy and time management to create a 5-year career plan.

## 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%.

**SQL Database for Dog Daycare**                                        *June 2024*
- Designed and implemented a MySQL database for a dog daycare facility, managing client, dog, and service records (daycare, grooming, training, boarding), improving data access efficiency by 40%.
- Created user views for service history, daily bookings, and owner information, increasing user query speed by 35%.
- Implemented database normalization and optimized tables, reducing data redundancy by 50%.

**Triple Peaks Library**                                        *January 2025*
- Developed a responsive library webpage using HTML and CSS, applying best practices in semantic HTML5 and modern CSS techniques like Flexbox and z-index stacking.
- 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.

## ORGANIZATIONS

**National Society of Black Engineers**                                        *September 2024 – Present*
*Senator/ Public Relations/ Vice President*
- Coordinated voting processes for x chapter members during Regional and National Business meetings, ensuring 100% participation rate.
- Facilitated communication between multiple diverse organizations, significantly increasing member engagement and fostering new partnerships.
- Led chapter operations and events to support NSBE's mission and member success in STEM.

**ColorStack**                                        *April 2025 – Present*
*Member*
- Joined a national network of Black and Latinx computer science students focused on community, career development, and technical growth.
- Actively engaging in online events, tech talks, and peer networking to build skills and industry knowledge.
- Exploring mentorship and internship opportunities to support long-term goals in full-stack web development.