STEVEN SIKORSKI

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EDUCATION

CUNY Hunter College, New York, NY   August 2021 – May 2025
Bachelor of Arts in Computer Science, Minor in Mathematics   **GPA**: 3.71/4.00
- **Relevant Coursework:** Object-Oriented Programming in C++ | Software Analysis and Design | Data Structures | Algorithms | Computer Architecture | Computer Theory | Discrete Math | Calculus I & II | Applied Statistics
- **Awards:** 5x Dean's List

EXPERIENCE

Software Engineer   December 2023 – Present
Polish Cultural Club at CUNY Hunter College   New York, NY
- Engineered the Polish Cultural Club website using the latest Next.js framework, resulting in a substantial improvement in the online presence of the club
- Collaborated closely with 3 club board members over 2 months, gathering ideas and requirements, leading to the development of the website as a platform for organizing, promoting, and increasing club engagement

Web Development Intern   June 2023 – August 2023
STEMKasa Learning Center   New York, NY
- Developed the STEMKasa chat messaging platform, connecting students with artificial intelligence tutors by leveraging GPT-4, Claude 2, and Llama 2 API endpoints to create personalized and effective tutoring
- Applied end-to-end solutions using full-stack development, utilizing React for a front-end interface, TypeScript for a robust back-end, and Node.js for real-time communication
- Achieved a substantial 75% reduction in API fetch requests made to the MongoDB database by implementing optimized caching methods with JavaScript
- Collaborated with a team of 8 interns to develop the STEMKasa learning platform, fostering teamwork, and leveraging our technical knowledge to solve problems together

PROJECTS

Maze Solver | *C++, OpenCV, CMake*
- Implemented a command-line interface program with C++ and OpenCV to analyze maze images and generate a matrix representation of the maze
- Demonstrated a strong proficiency in algorithm design, leading to 40% decrease in maze-solving time by replacing an inefficient solution with depth-first search

Password Generator | *C#, .NET*
- Developed a password generation application with C#, enabling users to create secure passwords that are 100% tailored to specific security criteria, leading to a significant reduction in the probability of a password breach
- Integrated the .NET Xamarin framework to create a natively compatible desktop application for macOS
- Designed a simple and intuitive user interface using Xcode's storyboard for password customizability

ASLearn | *HTML, CSS, JavaScript*
- Contributed to the development of a web application tool for English to American Sign Language translation
- Collaborated with a team of 4 to design and implement the full-stack functionality of ASLearn, creating a user-friendly web application that promotes inclusivity
- Presented ASLearn to a 500-participant audience at HackNYU through a video presentation, highlighting the project's features and impact

SKILLS

Programming: JavaScript, TypeScript, Python, SQL, C++, C#, HTML/CSS
Frameworks/Libraries: Node.js, React.js, Next.js, .NET, Tailwind CSS, OpenCV
Database/Tools: MySQL, MongoDB, Figma, ESLint, CMake, Git, npm