

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 of Hunter College

New York, NY

- Spearheaded the development of the Polish Cultural Club website with Next.js, significantly improve the club's online presence and contributing to reopening preparations
- Collaborated closely with a team of 5 club board members over several months to develop a 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 backend, and Node.js for real-time communication
- Implemented data-driven optimizations by incorporating caching methods with JavaScript, resulting in a significant 75% reduction in API requests to the MongoDB database
- 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 dedicated to translating English to American Sign Language
- Collaborated with a team of 4 to design and implement the full-stack functionality of ASLearn, fostering inclusivity by creating a web application with an emphasis on user interaction
- 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