

# STEVEN SIKORSKI

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## EDUCATION

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**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

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**Software Engineer**

December 2023 – Present

*Polish Cultural Club of Hunter College*

*New York, NY*

- Spearheaded the development of the Polish Cultural Club website using Next.js, providing a dynamic online platform that facilitated the club's preparations for reopening and expanded its community outreach and participation
- Collaborated closely with a team of 5 club board-members over several months to strategize the club's 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
- 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, promoting teamwork, and applying our technical knowledge to solve problems together

## PROJECTS

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**Maze Solver** | *C++, OpenCV*

- Implemented a command-line interface program with C++ and OpenCV to analyze maze images by generating a matrix representation of the provided maze
- Demonstrated strong proficiency in algorithm design by implementing a highly efficient depth-first search solution, resulting in a 90% decrease in maze-solving time compared to a random algorithmic method

**Password Generator** | *C#, .NET*

- Developed a native desktop application for macOS using C# and .NET Xamarin, built to generate highly secure passwords, leading to a significant reduction in the probability of a password breach
- Designed a simple and intuitive user interface with Xcode's storyboard, allowing users to configure generated passwords to fulfill 100% of the required security criteria

**ASLearn** | *HTML, CSS, JavaScript*

- Contributed to the development of a web application dedicated to translating English to American Sign Language, integrating a translation tool, quiz feature, and alphabet reference sheet
- Collaborated with a team of 4 to design and implement the full-stack functionality of ASLearn, emphasizing inclusivity for signers and providing a learning tool accessible to those unfamiliar with sign language
- Presented ASLearn to a 500-participant audience at HackNYU 2022 through a video presentation, highlighting the project's features and the impact of engaging with sign language

## SKILLS

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**Programming:** JavaScript, TypeScript, Python, SQL, C++, C#, HTML/CSS

**Frameworks/Libraries:** React.js, Next.js, Node.js, Tailwind CSS, .NET, OpenCV

**Database/Tools:** Git, MySQL, MongoDB