STEVEN SIKORSKI

steven@stevensikorski.com | linkedin.com/in/stevensikorski | github.com/stevensikorski

EDUCATION

City University of New York Hunter College August 2021 – May 2025
Bachelor of Arts in Computer Science, Minor in Mathematics **GPA**: 3.70/4.00

- **Relevant Coursework**: Data Structures and Algorithms, Object-Oriented Programming in C++, Operating Systems, Computational Vision, Database Management, Computer Architecture, Computer Theory, Discrete Mathematics, Matrix Algebra, Calculus I & II, Applied Statistics
- **Awards**: 6x Dean's List

EXPERIENCE

Technical Lead December 2023 – Present
Polish Cultural Club of Hunter College New York, NY

- Spearheaded the development of a new website designed to significantly enhance the club's visibility and drive membership growth, strategically positioning the club for a successful reopening
- Led a multi-functional team of 6 club board members to strategize the club's website as a platform for organizing events, promoting activities, and increasing member engagement

Web Development Intern June 2023 – August 2023
STEMKasa Learning Center New York, NY

- Contributed to the development of the backend of a messaging platform, focusing on integrating large language models to enable communication between students and artificial intelligence tutors
- Achieved a 40% improvement in backend efficiency by implementing caching with Node.js, significantly reducing the number of requests to retrieve user messages from the MongoDB database
- Collaborated with a team of 8 interns in an Agile environment to develop parts of the platform, participating in Scrum meetings to refine the project roadmap and optimize milestone delivery

PROJECTS

PitWall | *OpenAI, TypeScript, Node.js, React.js, Next.js, Tailwind CSS*

- Developed a chat application to use large language models and retrieval-augmented generation (RAG) to respond to user queries with real-time information about live Formula 1 sessions
- Integrated Next.js, Vercel AI SDK, and OpenAI's Code API endpoint to efficiently stream responses, ensuring timely and context-aware information delivery
- Enhanced real-time response accuracy by integrating the OpenF1 API to retrieve real-time data from Formula 1
- Created dynamic UI elements with React.js to display retrieved real-time session data

Polish Cultural Club Website | *TypeScript, Node.js, PostgreSQL, React.js, Next.js, Tailwind CSS*

- Engineered the Polish Cultural Club website using Next.js for server-side rendering, React.js for dynamic elements, PostgreSQL for database management, and TypeScript for backend development
- Designed and implemented a PostgreSQL database schema for account and event management, connecting it with a dashboard to enable club board members to efficiently manage website content and events
- Automated the development process through a CI/CD pipeline utilizing Vercel for automated build deployment, unit testing, and pushing to production

Maze Solver | *C++, OpenCV*

- Developed a command-line interface program with C++ and OpenCV to analyze and process maze images into a 2D matrix representation for solving
- Optimized maze-solving efficiency by implementing a depth-first search algorithm, resulting in a 30% improvement in solving time compared to a breadth-first search solution

ASLearn | *HTML, CSS, JavaScript*

- Contributed with a team of 4 to design and implement the full-stack functionality of an American Sign Language translation tool, developing the front-end components for a static webpage with HTML/CSS and JavaScript
- Presented ASLearn at the HackNYU 2022 hackathon to a virtual audience of 500 participants, showcasing our website's features and the impact of engaging with sign language

SKILLS

Programming: JavaScript, TypeScript, C/C++, Python, SQL, HTML/CSS, Assembly
Frameworks/Libraries: React.js, Next.js, Node.js, OpenAI, OpenCV, Tailwind CSS
Database/Tools: PostgreSQL, MySQL, MongoDB, Linux/Unix, Git, Visual Studio Code, Microsoft Office