

Michael Carpenzano

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SUMMARY

Full-Stack Software Engineer with experience developing scalable web applications using C#, .NET, TypeScript, Angular, Node.js, and SQL. Proficient in managing project lifecycles from design through implementation and deployment. Skilled in identifying and defining requirements and translating them into high-quality software solutions.

EXPERIENCE

OpEff Technologies | Jericho, NY **Full-Stack Software Engineer**, 2023 - Present

- Developed and maintained specialized accounting software for hedge funds, private equity firms, and real estate investors, ensuring robust and reliable financial operations.
- Optimized system processes by implementing multi-threading, enhancing the scalability of algorithms, and refining database operations, achieving up to a 90% increase in calculation efficiency.
- Independently identified and defined project requirements, streamlining workflows and enhancing team productivity.
- Designed and implemented client-focused features, improving user experience, and boosting customer satisfaction, resulting in onboarding 5 new clients including notable banks and venture capital firms.

TECHNICAL SKILLS

C#, .NET, TypeScript, Angular, Node.js, JavaScript, HTML, CSS, SQL, Azure DevOps, Git

EDUCATION

STONY BROOK UNIVERSITY | Stony Brook, NY Bachelor of Science in Computer Science, 2018 - 2022 | GPA: 3.2
Awards: Dean's List Fall 2020 and Spring 2021, SBU Game Programming Competition Finalist 2021 and 2022

PROJECTS

SOCIAL MEDIA WEBSITE | Fall 2021 | JavaScript, React, NodeJS, MongoDB | Platform allowing users to create, share, and take quizzes on various topics. Supports user profiles, channels, and playlists. Features a site-wide search engine.

AMAZON REVIEW SENTIMENT ANALYSIS | Spring 2021 | Python, PyTorch, NumPy | Designed and trained a model using deep learning to identify the sentiment of user-generated product reviews using a dataset from 3500 magazine reviews taken from Amazon.com.

LEADERSHIP & ACTIVITIES

STONY BROOK UNIVERSITY CYBERSECURITY CLUB, Stony Brook, NY | January 2021 - May 2022 Member | Participated in seminars on various aspects of computer security including network and cellular security. Discussed essential cybersecurity skills, techniques, and encryption algorithms like RSA and DH key exchange in depth.

STONY BROOK GAME DEVELOPERS CLUB, Stony Brook, NY | August 2021 – May 2022 Member | Discussed various aspects of game development and attended workshops on creative skills and technologies. Participated in game programming competitions, where industry professionals judged contestants' submissions.

STONY BROOK UNIVERSITY KENDO CLUB, Stony Brook, NY | October 2021 – May 2022 Member | Met twice a week to train in modern Japanese martial arts, advised newcomers on technique and form, and participated in club elections.