

RYAN WEBBER

Senior Data Security Officer, Vice President

PROFESSIONAL SUMMARY

Senior Data Security Officer with 6 years of experience in enhancing data security and designing custom security workflows within financial services. Proficient in integrating emerging technologies, threat modeling, security architecture, and vulnerability management, with a strong scripting/data analysis background. Demonstrated ability to not only create and lead strategic initiatives but apply new and emerging technology to any domain.

EDUCATION

BS IN COMPUTER SCIENCE

Stony Brook University

Graduated with honors, Magna Cum Laude, and a 3.71 GPA

Aug 2015 - Dec 2018
Long Island, New York

EMPLOYMENT HISTORY

SENIOR DATA SECURITY OFFICER, VICE PRESIDENT

Morgan Stanley Wealth Management

Jan 2024 - Present

- Lead Sensitive Data Labeling implementation, enhancing data security across Wealth Management
- Co-Lead generative AI adoption in the Chief Data Office, automating workflows and reducing manual tasks
- Manage in-house security tool as the product owner, balancing performance, security, and costs
- Write technology requirements to minimize data leakage and cyber exploitation through 3rd party channels

DATA SECURITY ENGINEER

Morgan Stanley Wealth Management

Jan 2021 - Jan 2024

- Discovered and led the remediation of 3 Critical risks potentially impacting 1000s of clients through deep-dive assessments of data transmission platforms
- Wrote enhanced data security standards and procedures that 1000+ systems must adhere to
- Reviewed and managed 40+ findings in 55 data platforms
- Designed and implemented a framework for vulnerability management of data platforms across multiple teams
- Developed an SNMP parser in Extrahop to classify hundreds of network devices in 500+ branches

APPLICATION SECURITY AND ANALYTICS ENGINEER

Morgan Stanley Wealth Management

Jan 2019 - Jan 2021

- Identified 30+ Web Application vulnerabilities through manual code analysis and the OWASP guide
- Prioritized remediations for severe vulnerabilities identified by code scanning tools, reducing their false positive rate by 35%
- Developed Splunk analytics for Windows logs, enabling detection of unknown devices and bolstering network security measures
- Produced a comprehensive case study on deepfake threats to call centers, anticipating future security challenges in financial services
- Led secure development training sessions, fostering a culture of cybersecurity awareness among development teams

COMPUTER SECURITY RESEARCH ASSISTANT

Stony Brook University - Secure Systems Department

Jan 2017 - Oct 2018

New York City

- Developed an AuditD log parser in C to identify suspicious processes, enhancing security measures
- Managed multiple VMs for malware data collection to improve intrusion detection systems
- Assisted grad students in compiling malware and mapping attack patterns to the NIST framework

JAVA & C SOFTWARE ENGINEER INTERN

Morgan Stanley

Jun 2017 - Jun 2018

New York City

- Enhanced data processing to boost automated Excel parsing performance by 70%
- Identified and resolved performance bottlenecks in real-time trading messaging system using VTUNE
- Developed a POC that optimized XML processing, achieving a maximum 60% increase in performance

TEACHING ASSISTANT - SYSTEM FUNDAMENTALS

Jan 2017 - Dec 2018

Stony Brook Computer Science Department

- Led weekly recitation classes to teach students assembly programming, computer architecture, and memory management
- Held weekly office hours and created tailored teaching for students that required additional

BACK-END WEB DEVELOPER

Jul 2016 - Aug 2017

The MorphoBank Project

- Added collision-free synchronization of multiple users on the same project
- Worked on an admin GUI to allow administrators on the site to track inactive projects and their memory usage

ADDITIONAL EXPERIENCE

BOARD MEMBER

Neighborhood Housing Services of Brooklyn, Current

Advisor to the organization's technology deployment, navigation of data security and privacy laws, and program management

BUSINESS STRATEGY CONSULTANT

Neighborhood Housing Services of Brooklyn, 2023

With a team of 4, developed a business optimization plan for the NHS of Brooklyn's new property management program. Aimed at managing the homes of underrepresented communities in Brooklyn, we ensured the strategy remained aligned to the organization's core values while also providing options for generating revenue.

FREELANCE BLOCKCHAIN CONSULTANT

2022

Assisted crypto projects in building their incentive structures and tokenomics for their coins.

MCKINSEY MANAGEMENT ACCELERATOR PARTICIPANT

Mckinsey, 2021

Member of 2021 Management Accelerator, a program that provides business related workshops and coaching to professionals on a leadership track

VOLUNTEER EFFORTS

HIGHSCHOOL CAREER DAYS

- STEAM Center at Brooklyn Navy Yard
- Prospect Heights Campus
- Brooklyn Academy of Science and the Environment
- Science Skills Center High School for Science, Technology and the Creative Arts