

Emily Chen

Cybersecurity Analyst

Highly motivated and experienced cybersecurity analyst with a strong background in industrial control systems security. Proven track record of developing and implementing effective cybersecurity strategies to protect against advanced threats. Strong analytical and communication skills, with the ability to work effectively in cross-functional teams.

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EXPERIENCE

Cybersecurity Analyst

Siemens Munich, Germany Jul 2020 - Present

Analyzed and mitigated potential security threats to industrial control systems, ensuring the reliability and safety of critical infrastructure.

- Conducted vulnerability assessments and penetration testing to identify potential security weaknesses in industrial control systems, resulting in a 95% reduction in identified vulnerabilities within 6 months.
- Developed and implemented cybersecurity strategies to protect against advanced threats, including zero-day exploits and nation-state attacks, with a 99% success rate in preventing security breaches.
- Collaborated with cross-functional teams to design and implement secure-by-design industrial control systems, utilizing industry-leading security frameworks and standards, such as NIST Cybersecurity Framework and IEC 62443.

Junior Cybersecurity Analyst

Rockwell Automation Milwaukee, WI, USA Jan 2019 - Jun 2020

Assisted in the development and implementation of cybersecurity solutions for industrial control systems, ensuring compliance with industry regulations and standards.

- Participated in the design and implementation of a centralized security monitoring system, utilizing SIEM technology and machine learning algorithms to detect and respond to potential security threats, resulting in a 90% reduction in mean time to detect (MTTD) and mean time to respond (MTTR).
- Conducted security audits and risk assessments to identify potential vulnerabilities in industrial control systems, providing recommendations for remediation and mitigation, with a 100% success rate in identifying critical security vulnerabilities.

PROJECTS

Industrial Control Systems Security Framework

Lead Developer Jan 2020 - Jun 2020

Developed a comprehensive security framework for industrial control systems, utilizing industry-leading security standards and best practices.

Python C Java NIST Cybersecurity Framework IEC 62443

SKILLS

Industrial Control Systems Security
Vulnerability Assessment
Penetration Testing
Cybersecurity Strategy Development
Secure-by-Design
NIST Cybersecurity Framework
IEC 62443
Python
C
Java
Team Management
Communication
Problem-Solving

EDUCATION

Bachelor of Science

Sep 2015 - Jun 2019
Massachusetts Institute of Technology (MIT)
Cambridge, MA, USA
Computer Science and Electrical Engineering
3.8/4.0

LANGUAGES

English Native
Spanish Fluent

CERTIFICATES

Certified Information Systems Security Professional (CISSP)

Jun 2020

**International Information
Systems Security
Certification Consortium
(ISC)²**

Demonstrated expertise in
information security, including
security and risk management,
asset security, software
development security, and more.