

# Tien Hoang

Cyber Security Analyst

## EXPERIENCE

### IronReligion, (Python / Javascript / React / SQL)

Full web development for a gym enterprise

#### Security Enhancement

[live](#) – [github](#)

- Conducted a thorough security risk assessment to identify and address potential vulnerabilities, ensuring robust data protection and privacy.
- Implemented advanced encryption algorithms and AWS S3 with advanced security configurations to safeguard sensitive user data.
- Collaborated with developers to integrate best practices in authentication, enhancing the website's defenses against unauthorized access.
- Developed and executed secure authentication methods, including client-side input validation and stored procedures, to prevent SQL injection and enhance data access speed.

### FearFace, (Python / Javascript / React / SQL)

A mimic of Facebook with a chilling twist

#### Security Audit and Improvements

[live](#) – [github](#)

- Executed comprehensive security audits, identifying and mitigating SQL injection and XSS vulnerabilities.
- Collaborated with a team in developing a comprehensive privacy framework, establishing a culture of security awareness and data protection.
- Ensured the secure transmission of data by implementing SSL/TLS using HTTPS only, providing robust encryption for data exchange and enhancing security posture.
- Ensured that all security measures complied with legal and ethical standards, emphasizing a commitment to user privacy and trust.

### WalkerHealthcare, Dallas, Texas

Travel agent for health care workers

#### ICU Registered Nurse

08/2015 – 04/2022

- Demonstrated strict adherence to HIPPA regulations, ensuring the confidentiality and integrity of patient data.
- Skilled in communicating complex patient privacy issues to executive management.
- Exhibited meticulous attention to detail in patient care and record-keeping.
- Experienced in continuous health monitoring and quickly reacting to critical changes, akin to operating SIEM systems for real-time security response.

## ADDITIONAL SKILLS

- Frameworks: proficient in implementing cybersecurity frameworks (NIST, ISO/IEC 27001) to guide policies and procedures.
- Network Protocols: knowledgeable in TCP/IP, DNS, HTTP/HTTPS, and SSH, understanding their roles in secure communications.
- Operating Systems: Windows, Linux, and MacOS.
- Command Line: skilled in using command-line interface (CLI) for network diagnostics, scripting, and automation, enhancing operational efficiency.

## CONTACT

- Gainesville, Florida
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- [LinkedIn](#)
- [Portfolio](#)

## SKILLS

#### Hard Skills:

- SIEM
- Application security
- Network protocols
- SQL/Python
- Vulnerability Assessment and Management
- Cryptography

#### Techniques:

- Network Access Control
- Threat & Vulnerability Management
- Systems Backups and Network Security

#### Tools and Software:

- Wireshark
- Sn1per
- KeePass
- Chronicle

#### Languages:

- English
- Vietnamese

## EDUCATION

### App Academy

Software Engineer

San Francisco, California

1/2023 - 07/2023

### University of Texas at Arlington

Bachelor of Science

In Nursing

Arlington, Texas

5/2012 - 05/2015

## OTHER

- CompTIA Security+ Certified - Feb 2024
- Google cybersecurity Certified - Jan 2024

