

# Rizq Khairulnizam

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## EDUCATION

**The Pennsylvania State University**  
*Cybersecurity Analytics and Operations, B.S.*  
*Security and Risk Analysis, Minor*  
*Information Sciences and Technology, Minor*  
*National Security Agency, Certificate*

**University Park, PA**  
*Expected: May 2026*  
*GPA: 3.91/4.00*  
*Dean's List: 6/6 Semesters*

## PROFESSIONAL CERTIFICATION

**Certified in Cybersecurity (CC)**  
*International Information System Security Certification Consortium (ISC2)*

**Kuala Lumpur, Malaysia**  
*July 2024*

## WORK EXPERIENCE

**CyberSecurity Malaysia, MyCERT**  
*Security Analyst Intern*

**Cyberjaya, Malaysia**  
*June 2025 – August 2025*

- Competed in the international Standoff Cyberbattle for SPIEF 2025 as part of “Pasukan Biru,” representing Malaysia against international teams, ranked 4th out of 12, and resolved 1/7 cases by performing a complete kill chain and an incident investigation.
- Gained hands-on experience with physical penetration testing tools and configured a custom attack device for wireless exploitation.
- Developed 3 Red Team documentation including Rules of Engagement (RoE), Letter of Authorization (LoA), and legal guidelines.
- Developed and delivered comprehensive training sessions to department staff on 11 red team exercise types, social engineering tactics, and non-verbal communication cues to strengthen security awareness, espionage prevention, and insider threat detection.
- Applied offensive security tools including the Social Engineering Toolkit (SET) and Metasploit to simulate cyberattacks.
- Produced 4 monthly threat intelligence reports, profiled malware utilizing CMERP.

**The Pennsylvania State University, College of Information Sciences and Technology**  
*Learning Assistant for MySQL Relational Database Management System (RDBMS)*

**University Park, PA**  
*August 2024 – May 2025*

- Partnered with 1 instructor and 3 Learning Assistants (LA) in supervising 89 students, enhancing in-class learning environment.
- Held 4 hours of tutoring weekly on MySQL Workbench for students, enhancing learning outside of class sessions.
- Developed standardized grading documents to ensure unbiased evaluation and consistency among learning assistants.

**Nexagate, Managed Security Department**  
*Managed Security Intern*

**Kuala Lumpur, Malaysia**  
*May 2024 – August 2024*

- Developed and collaborated on dashboards for user correlation and tracking abnormal traffic by scripting queries and visualizing data in Splunk Search Processing Language (SPL), later utilized by 10 security analysts of our Cyber Fusion Center (CFC).
- Analyzed threats and produced weekly reports aimed to keep clients updated regarding current news on threat actors and vectors.
- Monitored logs and produced weekly reports on the traffic status and behavior of 5 client domains with Imperva WAF.
- Conducted Incident Response (IR) and alarmed clients using Splunk SIEM and NSI Unified Security Management system.

## PROJECT EXPERIENCE

**RAT C2 Framework**  
*Individual*

**Kuala Lumpur, Malaysia**  
*July 2025 – August 2025*

- Developed a proof-of-concept Remote Access Trojan (RAT) using VBScript, Batch, and Python.
- Integrated a Telegram bot as a C2 agent to study and document the mechanics of Telegram-based command-and-control systems.

**Abnormal Traffic Dashboard on Splunk**  
*Team Member*

**Kuala Lumpur, Malaysia**  
*June 2024 – August 2024*

- Designed and developed an analytical dashboard on Splunk SIEM aimed to assist 10 SOC Security Analysts in monitoring activity, recording abnormally high or low log count, and calculating future projections of 5 firewall hosts.
- Scripted 3 complex SPL queries to gain targeted graphs and visuals of traffic deviations using the standard deviation of the dataset.
- Scripted 2 complex SPL queries to track the all-time-high record for 1 firewall host and export the record into a lookup table.

## SKILLS

- |                  |                              |                             |                       |
|------------------|------------------------------|-----------------------------|-----------------------|
| ▪ BASH Scripting | ▪ Linux Command Line         | ▪ Threat Intel and Analysis | ▪ Malay (Native)      |
| ▪ C++            | ▪ Technical Report Writing   | ▪ Threat Report             | ▪ English (Bilingual) |
| ▪ Java           | ▪ Computer Networking        | ▪ Elastic SIEM              | ▪ Japanese (N5)       |
| ▪ Python         | ▪ Malware Analysis           | ▪ Splunk SIEM / SPL         |                       |
| ▪ MySQL          | ▪ Security Incident Response | ▪ Imperva WAF               |                       |

## HONORS & AWARDS

**Cultural Ambassador Award**  
*The Pennsylvania State University - Department of Asian Studies*

**University Park, PA**  
*March 2024*

- Awarded a certificate for Outstanding Academic Excellence and being a Standout Cultural Ambassador in the Japanese Course.