

# 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: 3.92/4.00*  
*Dean's List: 7/7 Semesters*

## PROFESSIONAL CERTIFICATION

**Certified in Cybersecurity (CC)**  
*International Information System Security Certification Consortium (IS2)*

**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.

**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 a dashboard that visualizes user account movement across networks using Sankey diagrams to track lateral movements.
- Conducted Incident Response (IR) using Splunk SIEM to triage alerts, reduce false positives, and notify affected clients.
- Analyzed threat reports, mapped TTPs to MITRE ATT&CK and extracted IoCs to produce weekly client-facing threat intelligence.
- Monitored logs and produced weekly reports on the traffic status and condition of 5 client domains with Imperva WAF.

## 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 for malware behavior analysis.
- 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 Splunk dashboard 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        | ▪ Network Security             | ▪ Splunk SIEM and SPL |
| ▪ C++            | ▪ Technical Report Writing  | ▪ Malware Analysis             | ▪ Imperva WAF         |
| ▪ Java           | ▪ Offensive Sec. Governance | ▪ Security Incident Response   | ▪ Malay (Native)      |
| ▪ Python         | ▪ Red Team Ops. Planning    | ▪ Threat Intelligence Analysis | ▪ English (Bilingual) |
| ▪ MySQL          | ▪ Social Engineering        | ▪ Elastic SIEM                 | ▪ Japanese (N5)       |

## HONORS & AWARDS

**Certificate of Academic Excellence**  
*Majlis Amanah Rakyat*

**University Park, PA**  
*December 2025*

- Awarded a Certificate of Academic Excellence for maintaining a CGPA above 3.50 and achieving a 4.00 GPA in Spring 2025.

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

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

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