

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 (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.

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
- C++
- Java
- Python
- MySQL

- Linux Command Line
- Technical Report Writing
- Offensive Sec. Governance
- Red Team Ops. Planning
- Social Engineering

- Network Security
- Malware Analysis
- Security Incident Response
- Threat Intelligence Analysis
- Elastic SIEM

- Splunk SIEM and SPL
- Imperva WAF
- Malay (Native)
- English (Bilingual)
- 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.