Haitham Ameen Noman Alani

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Amman, Jordan

OBJECTIVE

Committed to advancing practical cybersecurity education and research, with a focus on hands-on skills and real-world applications. Aiming to bridge the gap between theory and practice, and to equip students with the necessary tools to address modern cybersecurity challenges effectively.

RESEARCH INTEREST

Interests: Offensive Security, Software Exploitation, Malware Analysis, IoT Security, Blockchain Technologies, Wireless Security.

EXPERIENCE

- **Princess Sumaya University for Technology**   *Associate Professor, Department of Computer Engineering*
  Amman, Jordan
  2025 - Present

- **Princess Sumaya University for Technology**   *Assistant Professor, Department of Computer Engineering*
  Amman, Jordan
  2018 - 2025

- **Rhoades Company**   *IT Technical Support and Security Consultant*
  Amman, Jordan
  2012 - 2013
  ◦ Provided comprehensive IT technical support, troubleshooting hardware and software issues.
  ◦ Implemented security measures to protect the company's network and data.

- **Optimiza**   *Software Developer*
  Amman, Jordan
  2010 - 2012
  ◦ Developed ASP.NET websites, delivering robust and scalable web solutions.
  ◦ Created Windows applications using C#.

- **Freelance**   *Software Developer*
  Amman, Jordan
  2010 - 2012
  ◦ Developed ASP.NET websites and Windows desktop applications.

EDUCATION

- **University Technology Malaysia**   *2017*
  Ph.D. in Computer Science (Honors)   Kuala Lumpur, Malaysia
  ◦ Dissertation: *An Automated Mechanism to Detect and Mitigate Deauthentication and Disassociation DoS Attacks in Wireless 802.11 Networks.*

- **New York Institute of Technology**   *2012*
  M.Sc. in Information, Network, and Computer Security (With Distinction)   New York City, USA
  ◦ GPA: 3.52/4.00

- **Amman Al-Ahliya University**   *2009*
  B.Sc. in Software Engineering   Amman, Jordan
  ◦ GPA: 74.4

ACADEMIC EXPERIENCE

- **Taught and developed various cybersecurity courses from scratch, including Penetration Testing, Information Security Assessment Blockchain Technologies, Reverse Engineering, Wireless Security, Operating System Security, Intrusion Detection and Network Forensics, and Fundamentals of Information Security.**

- **Delivered cybersecurity workshops in collaboration with Purdue University, training over 50 Jordanian students in practical cybersecurity skills.**

- **Supervised several senior design projects, guiding students through research and project execution in cybersecurity and related fields, and ensuring successful outcomes by providing mentorship on technical development and research methodologies.**

- **Supervised the practical training of students in various companies, providing mentorship and hands-on guidance to ensure the application of theoretical knowledge in real-world industry settings.**

- **Conducted specialized cybersecurity training for the Jordanian Army and different security agencies, covering topics such as Certified Network Defender, Ethical Hacking, and Red Team Operations.**

- **Participated in multiple university committees, contributing to the development and improvement of academic programs by revising course outlines and reviewing Course Assessment Files (CAF) as part of the ABET accreditation process.**

- **Participated multiple times in committees aimed at linking the Network and Information Security Engineering program with industry, ensuring the curriculum aligns with evolving market and professional demands.**

- **Participated in hiring committees every academic year, conducting interviews and reviewing job applications for Lab Engineers, Senior Lecturers, and new professors, ensuring the selection of qualified candidates for academic positions.**

- **Continuously contributed as part of the team responsible for developing and enhancing the program Study Plan, ensuring the curriculum evolves with industry demands and effectively prepares students for careers in network security and cybersecurity.**

- **Designed, delivered, and published two best-selling courses on Internet of Things (IoT) security and Wireless Security on the Udemy platform.**

- **Provided ongoing academic advising to students, offering guidance and support for their academic progress and career development across various disciplines.**

PUBLICATIONS

[1] O.K. Alia, D. Mohammad Suleiman, H.A. Noman (2024). **IHSAN: A Secure and Transparent Crowdfunding Platform Leveraging Comprehensive Decentralized Technologies**. In *IEEE Access*, vol. 12, pages 179050-179064.

[2] Abdallah AlAbidy, Amr Zaben, Osama M.F. Abu-Sharkh, Haitham Ameen Noman (2024). **A Survey on AI-Based Detection Methods of GPS Spoofing Attacks**. In *Proceedings of the 2024 IEEE 12th International Conference on Intelligent Systems (IS)*. IEEE. 2024, Varna, Bulgaria, pages 1-13.

[3] Haitham Ameen Noman, Osama M. F. Abu-Sharkh, Sinan Ameen Noman (2024). **Log Poisoning Attacks in IoT: Methodologies, Evasion, Detection, Mitigation, and Criticality Analysis**. *IEEE Access*, Vol. 12, pages 118295-118314. DOI: 10.1109/ACCESS.2024.3438383

[4] Nisar Ahmed Dahri, Noraffandy Yahaya, Waleed Mugahed Al-Rahmi, Haitham Ameen Noman, et al. (2024). **Investigating the motivating factors that influence the adoption of blended learning for teachers' professional development**. *Heliyon*, Vol. 10, Issue 15. Elsevier. DOI: 10.1016/j.heliyon.2024.e34900

[5] Sinan Ameen Noman, Haitham Ameen Noman, Qusay Al-Maatouk, Travis Atkison (2023). **A Survey of IEEE 802.15.6: Body Area Networks**. *International Journal of Computing and Digital Systems*, Vol. 14, Issue 1. University of Bahrain. DOI: 10.12785/ijcds/140153

[6] Haitham Ameen Noman, Osama MF Abu-Sharkh (2023). **Code injection attacks in wireless-based Internet of Things (IoT): A comprehensive review and practical implementations**. *Sensors*, Vol. 23, Issue 13, pp. 6067. MDPI. DOI: 10.3390/s23136067

[7] Sinan Ameen Noman, Haitham Ameen Noman, Qusay Al-Maatouk, Travis Atkison (2023). **Internet of Things Communication, Networking, and Security: A Survey**. *International Journal of Computing and Digital Systems*. University of Bahrain. DOI: 10.12785/ijcds/130173

[8] Haitham Ameen Noman, Qusay Al-Maatouk, Sinan Ameen Noman (2021). **A Static Analysis Tool for Malware Detection**. In *Proceedings of the 2021 International Conference on Data Analytics for Business and Industry (ICDABI)*. IEEE. Date of Conference: 25-26 October 2021. Sakheer, Bahrain. DOI: 10.1109/ICDABI53623.2021.9655866, Pages 661-665.

[9] Haitham Ameen Noman, Qusay Al-Maatouk, Sinan Ameen Noman (2021). **Design and Implementation of a Security Analysis Tool that Detects and Eliminates Code Caves in Windows Applications**. In *Proceedings of the 2021 International Conference on Data Analytics for Business and Industry (ICDABI)*, pp. 694-698. IEEE. Date of Conference: 25-26 October 2021. Sakheer, Bahrain. DOI: 10.1109/ICDABI53623.2021.9655861.

[10] Haitham Ameen Noman, Shahidan M Abdullah, Sinan Ameen Noman (2016).**A Robust Scheme to Defend Against Disassociation and Deauthentication DoS Attacks in WLAN Networks**. *Journal of Theoretical & Applied Information Technology*, Vol. 93, Issue 2.

[11] Haitham Ameen Noman, et al. (2017). **Introducing IJam Wireless De-authentication Attack Tool**. In *Proceedings of the SouthEast Conference*, pp. 199-202. DOI: 10.1145/3077286.3077316.

[12] Haitham Ameen Noman, Salman Imad Salman Al Satary, Omar Sami Wasef Al-Quraini, Mohamed Abdulkader Yousfi, Qusay Al-Maatouk (2021).**Designing And Implementing A Secured Smart Network That Can Resist Next-generation State Surveillance**. 2021.

[13] Haitham Ameen Noman, Sinan Ameen Noman, Qusay Al-Maatouk (2020).**WIRELESS SECURITY IN MALAYSIA: A SURVEY PAPER**. *Journal of Critical Reviews*, Vol. 7, Issue 4, pp. 2020.

[14] Haitham Ameen Noman, Shahidan M Abdullah, Haydar Imad Mohammed (2015).**An Automated Approach to Detect Deauthentication and Disassociation DoS Attacks on Wireless 802.11 Networks**. *International Journal of Computer Science Issues (IJCSI)*, Vol. 12, Issue 4, pp. 107.

[15] Monther Aldwairi, Haitham Noman (2012).**A Zero-Day Attack Exploiting a Yahoo Messenger Vulnerability**. In *International Journal of Scientific & Engineering Research*, Vol. 3, Issue 8, pp. 1-4.

SKILLS

- **Programming Languages:**C++, Python, Solidity, Visual Basic, ASP.NET
- **Cybersecurity Expertise:**Penetration Testing, Digital Forensics, Malware Analysis, Network & System Security, Reverse Engineering, Vulnerability Assessments, Cryptography, Wireless Security, Blockchain Technologies
- **Tools & Technologies:**Metasploit, Volatility, Burp Suite, Virtual Machines, Docker, Debuggers, writing CTF problems
- **Languages:** Arabic (Native), English (Fluent), French (Intermediate), Spanish (Intermediate), Italian (Basic)

CERTIFICATIONS

- **Certified Red Team Professional (CRTP) - Altered Security** — 2022
- **Certified EC-Council Academic Instructor V2 - EC Council** — 2020
- **Certified Network Defender - EC Council** — 2020
- **Certified Ethical Hacker V10 - EC Council** — 2019
- **Palo Alto Certified Instructor - Palo Alto** — 2019

HONORS AND AWARDS

- **PSUT Academic Award** — *2023/2024*
  Princess Sumaya University for Technology
  ◦ Recognition for outstanding performance in teaching.

- **PSUT E-Learn System Utilization Award** — *2023/2024*
  Princess Sumaya University for Technology
  ◦ Recognition for outstanding performance in utilizing e-learning systems in teaching.

- **PSUT Best Graduation Project** — *2023/2024*
  PSUT Projects Exhibition
  ◦ Awarded for the best graduation project in the PSUT Projects Exhibition

- **PSUT Academic Award** — *2021/2022*
  Princess Sumaya University for Technology
  ◦ Recognition for outstanding performance in teaching.

- **Graduate On Time Award (PhD)** — *2017*
  University Technology Malaysia
  ◦ Successfully completed PhD program within the stipulated timeframe.

- **Graduate with Distinction (Master's Degree)** — *2012*
  University Technology Malaysia
  ◦ Graduated with distinction for academic excellence during the master's program.

- **First in Graduate Batch (Bachelor's Degree)** — *2009*
  University Technology Malaysia
  ◦ Ranked first in the graduating batch for outstanding academic performance.

GRANT

Project Name: Multi-Layer Network Security Environment for Enterprise Penetration Testing
Grantor: Princess Sumaya University for Technology
Year: 2023
Grant AMOUNT: 3625 JD

Volunteer Experience

- **Committee Member for National GCI Improvement**
  National Cybersecurity Initiative   2024
  Contributed to a national-level committee aimed at improving Jordan's Global Cybersecurity Index (GCI) ranking.

- **Discussion Board Member**
  Cybersecurity Armython Conference   2024
  Participated in the discussion board of the Armython cybersecurity conference.

- **CTF Question Writer**
  Cyber Warrior Competition for School Students   2024
  Developed Capture The Flag (CTF) challenges for high school students as part of the Cyber Warrior competition.

- **Course-Job Roadmap Designer**
  Princess Sumaya University for Technology   2023
  Designed a roadmap in the department to match each course with the designated job in the market.

- **Supervisor of Cybersecurity Teams**
  Princess Sumaya University for Technology   2021 – Present
  Supervised teams in various cybersecurity competitions at both local and international levels.

- **Organizer of Cybersecurity Workshops**
  Princess Sumaya University for Technology   2018 – Present
  Organized workshops on various cybersecurity topics for refreshment students through the Cybersecurity Club.

- **Participant in Know your specialty event**
  Princess Sumaya University for Technology   2019 – 2020
  Participated in an event to welcome and guide new students, providing insights into the field and its future prospects.

References

References will be provided upon request.