

Mykhailo Andreichyn

Junior Offensive Security Specialist
(Student)

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Warsaw, Poland

Computer Science student with a demonstrated passion for hands-on offensive security, evidenced by developing MITM attack demonstrations, initiating and leading an authorized Red Team project, founding and leading the English Chapter of the Cybersecurity Club. Eager to leverage my practical experience in a challenging academic and professional environment focused on offensive security and threat research.

Education

- **Polish-Japanese Academy of Information Technology:** BSc in Computer Science | Sep 2024 - Present
Warsaw, Poland

Languages

- **English** - C1 (Advanced) / IELTS: B2 (2024)
- **Ukrainian** - Native/C2
- **Russian** - C1
- **Polish** - A2

Key Achievements

Red Team Lead & Founder, 'NoctuaSec' Student Group (June – August 2025):

- **Leadership & Scope:** Initiated and led a 4-member Red Team through a 2-month, full-lifecycle real-world simulation offensive security engagement against a "Bioinformatics Club" (PJATK), under the mentorship of Gynvael Coldwind (Dragon Sector).
- **Custom Tooling:** Developed a C# multi-stage backdoor with registry-key persistence, Telegram C2, and anti-sandbox evasion — fully authored in-house.
- **Operations & Framework:** Directed the team's full operational lifecycle, including legal framework (RoE, Participant Consent, and Internal Agreement), OSINT, OWASP-based pentesting, and a simulated phishing campaign, while establishing and enforcing strict OPSEC.
- **Reporting & Analysis:** Authored a professional assessment mapping all TTPs to MITRE ATT&CK, analyzed operational impact, and delivered findings in a structured debrief. Report available on [GitHub](#).

Founding Program Director, Cybersecurity Club (English Chapter) | PJATK University (April 2025 – June 2025):

- **Founding & Initiative:** Initiated the creation of the university's first English-language cybersecurity student group, establishing its operational framework and community from the ground up.
- **Community Engagement & Networking:** Organized and hosted over 7 technical workshops and lectures, featuring sessions with internationally recognized cybersecurity experts, including Paula Januszkiewicz and Adrian Kapczyński.
- **Talent Incubation & Recruitment:** Recruited top members from the club to form 'NoctuaSec,' the student Red Team that successfully conducted a 2-month, full-lifecycle security assessment.

Technical Skills

- **Security:** Vulnerability Assessment, OSINT, OPSEC, NIST Framework, Network Analysis | Wireshark, Nmap, Splunk
- **Programming & IT:** Python, Bash, MySQL, C# | JavaScript, HTML, CSS | Linux | DNS

Professional Experience

- **Need DesignNow, Warsaw, Poland | Technical Assistant (Hybrid) | [Nov 2024 - April 2025]:**

Audited [mialang.art](#) website using developer tools to review HTML/CSS and UX. Delivered report and video demo, leading to fixes including removal of broken e-commerce page.

Identified over 15 errors and provided code-level recommendations, improving usability and consistency.

Practical Projects

- **AI-Based Cyber Threat Scanning System (Concept Development for ECAI Demo Track) [April – June 2025]:**

- **Concept & Design:** Designed and developed a Raspberry Pi 4 system to detect and classify network threats in public spaces in real-time using environmental scanning and GPT-4 API
- **Reporting & Submission:** Authored a formal [demo paper](#) detailing the system architecture and submitted the concept to the ECAI 2025 Demo Track.

- **Man in the Middle Attack Simulation (Presented in NGO “NWET” security workshop) [March – May 2025]:**

- **Technical Implementation:** Built a portable rogue Access Point on Raspberry Pi 4 (hostapd, dnsmasq) to demo MITM attacks, including phishing via captive portal and domain-level traffic logging.
- **Impact & Future Work:** Presented a live demo to over 15 participants at an NGO “NWET” workshop, and am currently developing a BLE-based social engineering vector.

Training & Certifications

- **TryHackMe Red Teaming [In Progress]:** Reconnaissance, Vulnerability Exploitation, Privilege Escalation, Persistence
- **TryHackMe SOC Level 1 [In Progress]:** Log Analysis, Threat Detection, SIEM (Splunk), Incident Response
- **Qualys Vulnerability Management Foundation [March 2025]:** Vulnerability Management, Vulnerability Scanning, Continuous Monitoring, Vulnerability Assessment
- **CyberSecurity Governance, Risk, and Compliance (GRC) Mastery [March 2025]:** Risk Management, Cyber Security Audit, Asset Management, IAM, Security Education and Awareness, DLP, Incident Response, Third Party Risk Management. Applied the NIST framework in a capstone risk assessment project.
- **Google CyberSecurity Course [December 2024]:** Includes Linux, MySQL, and Python hands-on labs
- **Red Hat Training Fundamentals [June 2025]:** CLI Administration, User & Group Management

Additional Education & Volunteering

- **University of Glasgow Summer School: EIT “Generative AI for Start-ups and Scale-ups” [August 2025]:**

Analyzed operational challenges for local SMBs and developed an AI-driven solution framework. Presented the final business case and integration strategy to a real-world client (a local café) and program faculty.

- **Summer School: THU “CyberSecurity Today” [July 2025 – August 2025]:**

Learned about cyber war threats & IR strategies. Performed hands-on exploitation of WordPress vulnerabilities.

- **Head of IT Department (Volunteer), "All-Ukrainian Organization "Atom" [June 2023 – September 2024]:**

Promoted [March 2024] to lead the IT department, managing a 3-person team and the organization's website.

- **Summer student at Kozminski University 24 [July 2023 – August 2023]:**

Focused on AI applications in customer experience and creative problem-solving in high-tech environments.