

Pantelis Karabetsos

Informatics and Computer Engineer

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Professional Profile

Informatics and Computer Engineer with an integrated master's degree from the University of West Attica and research experience in adversarial machine learning. Seeking an entry-level cybersecurity role focused on network security and intrusion detection.

Education

University of West Attica

2020 - 2026

Integrated Master's (MEng) in Informatics and Computer Engineering

Cybersecurity Thesis

Adversarial Attacks to Evade ML-based Network Intrusion Detection Systems (NIDS)

- Implemented and evaluated white-box, black-box and gray-box adversarial evasion attacks against ML-based network intrusion detection systems.
- Developed and tested random forest and multilayer perceptron (MLP) models using Python, PyTorch and scikit-learn.
- Assessed model robustness by comparing feature-space attacks with network traffic simulations subject to realistic constraints.

Technical Skills

Security: Network security, adversarial ML, NIDS evaluation, digital forensics fundamentals

Programming: Python, Java, C, C++, JavaScript

Machine learning: PyTorch, scikit-learn

Web development: React, Next.js, Node.js, Angular, Tailwind CSS, HTML/CSS

Databases: MySQL, MongoDB, Supabase

Tools and platforms: Linux, Git, GitHub, Docker

Selected Certifications and Training

Cybersecurity in Critical Sectors | University of Piraeus

Career Essentials in Cybersecurity | Microsoft and LinkedIn

Career Essentials in Software Development | Microsoft and LinkedIn

Career Essentials in GitHub Professional Certificate

Work Experience

Cashier | INDITEX

Mar 2023 - Aug 2024

- Managed cash register operations and weekly financial reconciliation while supporting front-of-store activities in a busy retail environment.

Host | Tavern By the Sea, USA

Jul 2022 - Sep 2022

- Coordinated guest reservations, seating and front-of-house logistics to support efficient service during busy periods.

Languages

Greek: Native | English: Proficient | German: A2 (Elementary)