Elia Nikolaou

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EDUCATION

University Of Edinburgh, Edinburgh UK   **September 2024 - Presetn**
PhD Candidate in Cybersecurity, Privacy and Trust

- Research Interest: Formal Methods for Security, Safety and Privacy.
- Advisor: David Aspinall

University College London, London, UK   **September 2022 - September 2023**
MSc Information Security   Grade: **Distinction**

- Modules: Malware, Cryptography, Computer Security, People and Security, Information Security Management, People and Security, Cryptocurrencies
- Final Project: "Say Bingo to Distributed Key Generation Algorithms: From an exploration to implementation"
- Advisor: Philipp Jovanovic

University of Cyprus, Nicosia, Cyprus   **September 2018 - June 2022**
BSc Computer Science   Grade: **8.12/10**

- Selected Modules: Software Analysis, Web Technologies, Systems Programming, Machine Learning, Human-Computer Interaction
- Final Project: "Implementing a User-Friendly Generator for Privacy Policies"
- Member of the winning Cypriot team at Huawei Seeds for the Future programme.
- Represented the University at Huawei Telent Summit, Finland 2021.

PROFESIONAL EXPERIENCE

Global Payments, TSYS UK   York, UK
Risk and Compliance Analyst II   September 2023 - August 2024

- Provide assurance to clients on the integrity and security of the company's products, encompassing Information Security and Physical Security aspects.

drand, Protocol Labs   London, UK
Cryptography Researcher - Internship   June 2023 - September 2023

- Completed my MSc Dissertation in collaboration with drand, focusing on key improvements. The code developed during my project is slated for future use by the company.

Teaching Assistant - UCL   London, UK
Teaching Assistant   January 2023 – June 2023

- Teaching Assistant for the 'Introduction to Python' module, guiding undergraduate students through fundamental programming concepts.

Cognitive UX   Remote, Cyprus
Software Engineer Intern   July 2022 – December 2022

- Developed front-end applications and assisted in the development of a project funded by the European Union.
- Designed codes for deliverables and company software products and solutions.

KIOS Research And Innovation Centre Of Excellence   University of Cyprus, Cyprus
Special Scientist Intern   October 2021 – February 2022

- Provided support with the collection and processing of important data, essential for the continuation of projects.
- Implemented machine learning algorithms for the identification of environmental disasters using drones, enhancing disaster detection and response.

PROJECTS

TrustID Project (2020-1-EL01-KA226-HE-094869)   Nicosia, Cyprus
Project Link: https://trustid-project.eu/project.php

- I was part of the project during my time at Cognitive UX, where I contributed to the expansion and enhancement of both the back-end and front-end components of the Windows application.

Disaster Detector / Classifier   Nicosia, Cyprus
Project Link: https://explore.openaire.eu/search/software?pid=10.5281%2Fzenodo.5938343

- I was part of the project during my time at KIOS, where we developed a Disaster classifier for detecting fire, flood and building disasters using Machine Learning.

Awards

- **2024 - 2028:** DTA Scholarship, by UKRI.
- **2022 - 2023:** Huawei Seeds for the Future Scholarchip.
- **2012 - 2018:** Awards of Academic Excellence.

ACTIVITIES/VOLUNTEERING

- **Scouting:** Member of the 297 Troop of Latsia (Cyprus Scouts Association), Current position: Leader. Scouting Award of Democracy of the Republic of Cyprus in 2018 (2007-Present)
- **Hiking**