

Nikos Oikonomou

Software developer and research assistant with experience in Python, Java, Machine Learning/Deep Learning and Cyber Security. Diploma in Electrical and Computer Engineering acquired from Aristotle University of Thessaloniki.

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WORK EXPERIENCE

Penetration Tester/Software Developer Hellenic National Defense General Staff

01/2019 - 06/2019

Athens, Greece

Cyber Defense Directorate

Achievements/Tasks

- Contribution in the development of several penetration software projects.
- Engagement in the organization of the Greek National Cyber Defense Exercise - PANOPTES 2019.
- Active participation in the 2019 NATO Cyber Defense Exercise - Locked Shields (Blue Team / Network & Linux Firewalls / Linux System Auditing)

Software Developer/Cyber Security Researcher

Centre for Research & Technology Hellas
(CERTH)

10/2019 - Present

Thessaloniki, Greece

Information Technologies Institute (ITI)

Achievements/Tasks

- Cyber Security research for the [ECHO Project - HORIZON 2020](#).
- (ECHO) Classification of CVE descriptions with Machine Learning and NLP techniques.
- (ECHO) Java back-end component development.
- (ECHO) Semi-automated penetration testing platform development (Python, Perl, Bash, SQL).

EDUCATION

Electrical and Computer Engineering Aristotle University of Thessaloniki

10/2011 - 06/2018

Thesis/Core Courses

- Thesis: Extracting Semantics from Online Source Code for Software Reuse
- Core Courses: Algorithms, Data Structures, Databases, Machine Learning, Pattern Recognition, IT Security, Parallel/Distributed Systems, Operating Systems, Computer Architecture

PUBLICATIONS

Paper

Extracting Semantics from Question-Answering Services for Snippet Reuse [↗](#)

Author(s)

Diamantopoulos T., Oikonomou N., Symeonidis A.

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SKILLS

Python

Java

C/C++

Linux

Git

CI/CD

Natural Language Processing

Machine Learning

Deep Learning

Cyber Security

Penetration Testing

PROJECTS & ACTIVITIES

Active engagement with Pen-Testing Labs Hack
The Box (01/2019 - Present) [↗](#)

Native Android App (2017)

- Android Studio
- Java / SQLite

Personal Website (2016)

- HTML5 / CSS / JQuery / PHP

LANGUAGES

English

Full Professional Proficiency

Greek

Native or Bilingual Proficiency

INTERESTS

Chess

Tennis

Reading

CTFs