

TSOUPOUROGLOU IRAKLIS

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Stratigou Papoula 40, Thessaloniki, Greece

Born: May 5 1981, Thessaloniki, Greece | Nationality: Greek



EDUCATION

Master of Science, Web Intelligence

Thessaloniki Institute of Advanced Technological Education

February 2016

Thessaloniki, Greece

- **Thesis:** “*Determination of Advanced Persistent Threats (APTs) using Big Data Analytics*” (Graded: 10/10)

Supervisor: Prof. Dr. C. Ilioudis

Abstract: Detailed description of Advanced Persistent Threat attacks and the methods used for detection and mitigation. Big data and big data analytics presentation and their relation to security. Implementation that lays the foundations of effective detection and mitigation for Advanced Persistent Threat, using machine learning techniques and open source tools (Hadoop, Mahout, Spark).

- **Core modules:** Machine Learning, Information Security, Web Application Software Engineering, Information Retrieval, Web Agents, Data Mining, Semantic Web.

- **Other Projects:**

- “*Data Analysis: NASDAQ100*” (Analyzing data using Principal Component Analysis, Independent Component Analysis and Non-negative Matrix Factorization)
- “*The ARP protocol and its weakness: ARP spoofing with Ettercap*”
- “*Clustering and Classification using WEKA*”

Degree (4-year), Department of Computer Science & Engineering

Thessaloniki Institute of Advanced Technological Education

October 2004

Thessaloniki, GR

- **Project:** “*Investigating security breaches with the use of Intrusion Detection Systems*” (Graded: 8.5/10)

Supervisor: Prof. Dr. C. Ilioudis

- **Core subjects:** Computer Programming, Object Oriented Programming, Operating Systems, Information Security, Network and Telecommunications Systems, Software Engineering, Artificial Intelligence, Machine Learning.

EXPERIENCE

Software Engineer

Research Associate, AUTH, Lab of Medical Physics

Jun 2019- Currently

Thessaloniki, GR

- Participation on InAdvance project, for building eHealth tools addressed to empower palliative patients ecosystem. Cross-platform, web app development. Development of an educational conversational agent.
- Participation on Erasmus+ CEPEH project and more specifically developing a conversational agent for assisting medical students.
- Participation on Erasmus+ ReHIn , a research project on Refugees' Health Integration. Analyze, specification and development of an RLO (Reusable Learning Object).
- Development and maintenance of llmcare.com and deepraft.com.

Teacher

Diakrotima

Nov 2007- Currently

Thessaloniki, GR

- Teacher of Application Development in a Programming Environment (ΑΕΠΠ), Computer Networks (TCP/IP) and Computer Programming (Python)

International Assistance Department

Euromedica SA

Dec 2011 – Jan 2013

Thessaloniki, GR

- Development of a web application for the monitoring and management of Libyan patients across the company's clinics.

Network engineer

May 2009 – March 2010

Sindesis

Thessaloniki, GR

- Installation and maintenance of networks (UTP and fiber optics), installation and configuration of PBXs.

I.T. Department

Oct 2007 – March 2008

University of Macedonia

Thessaloniki, GR

- Provided full tech support for university students, personnel and facilities (Administration, Network Assistant).
Assistance on network maintenance and configuration of the university's network center.

ADDITIONAL INFORMATION

Programming Languages	HTML/Javascript/CSS, Angular, Node.js, Java, Python, MATLAB, C, C++, PHP
Languages	English (lower), Greek (mother tongue).
Military Service	Fulfilled (November 2001 – March 2003).
Extracurricular Activities	Linux Operating Systems, Linux Programming, Photography, Drums, Cinema, Travel.