Paris Koloveas

Data Science Researcher, Data Engineer, Software Engineer

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GitHub: github.com/pariskoloveas
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Residence: Athens, GR
Citizenship: Greek

Research interests	Natural Language Processing, Language Models, Deep Learning, Machine Learning, Data Mining, Information Retrieval, Information Extraction, Data Visualisation

Education

National Centre of Scientific Research "Demokritos" — Athens, Greece
MSc in Data Science — Oct 2019 – Mar 2021
Supervisor: Assoc. Prof. C. Tryfonopoulos — *GPA:* 9.29/10 *(Expected)*

University of Peloponnese — Tripolis, Greece
BSc in Informatics & Telecommunications — Oct 2014 – Sep 2019
Supervisor: Assoc. Prof. C. Tryfonopoulos — *GPA:* 7.32/10

Research experience

Software and Database Systems Laboratory (SoDa Lab), University of Peloponnese — Tripolis, Greece — Mar 2018 – Present
Role: Research Assistant
Supervisor: Assoc. Prof. C. Tryfonopoulos
Responsibilities:

1. Participation in Research Projects with the main goal of the Research, Development,Ddocumentation and Deployment of complete software solutions, as well as, the authorship of technical reports and research papers.
2. Assistance in the evaluation of conference submissions at:
   CIKM 2020, **ICTAI 2020**
3. Examination of assignments for undergraduate course **Programming II**.

Industry experience

Mathema SRL — Florence, Italy
Role: Software Development Intern — Jul 2019 – Oct 2019
Responsibilities: Research and Development of VR "Control Room" for real-time Information Visualization and Interaction with Unity3D & Oculus SDK.

Research projects

CYBER-TRUST: Advanced Cyber-Threat Intelligence, Detection, and Mitigation Platform for a Trusted Internet of Things
Funding: Horizon 2020 (EU) — Jul 2018 – Present
Grant Agreement: No. 786698

FORESIGHT: Advanced cyber-security simulation platform for preparedness training in Aviation, Power-grid and Naval environments
Funding: Horizon 2020 (EU) — Oct 2019 – Present
Grant Agreement: No. 833673

Publications

CTIoT: A Machine Learning-Based Framework for Gathering and Leveraging Web Data to Cyber-Threat Intelligence
P. Koloveas, T. Chantzios, C. Tryfonopoulos, and S. Skiadopoulos.
MDPI Electronics, Special issue on "Advances on Networks and Cyber Security", February 2020.

A crawler for harvesting the clear, social, and dark web for IoT-related Cyber-Threat Intelligence

P. Koloveas, T. Chantzios, C. Tryfonopoulos, and S. Skiadopoulos.

In Proceedings of the IEEE Workshop on Cyber Security & Resilience in the Internet of Things (CSRIoT@IEEE Services), Milan, Italy, July 2019.

The quest for the appropriate Cyber-Threat Intelligence sharing platform.

T. Chantzios, P. Koloveas, S. Skiadopoulos, N. Kolokotronis, C. Tryfonopoulos, V. Bilali, and D. Kavallieros.

In Proceedings of the 8th International Conference on Data Science, Technology and Applications (DATA), Prague, Czech Republic, July 2019.

Dissertations	**Web content harvesting and classification for Cyber-Threat Intelligence discovery**

Bachelor's Thesis, 2019   *Grade*: 10/10

A machine learning framework for gathering and leveraging web data to Cyber-Threat Intelligence.

Master's Thesis, 2021   *Grade*: *Defense Pending*

Talks and tutorials

ConSce Simulation   Regensburg, Germany

OTH Regensburg, MSc in European Business Administration   29–31 Oct 2020

Volunteer work

CERN exhibition: "Accelerating Science"   Tripolis, Greece

Volunteer tour guide   4–12 Oct 2015

Technical skills

PROGRAMMING

Proficient in: Python, JavaScript *(ES6, React, React Native)*, Java, C, HTML5, CSS3, UNIX Shell Scripting.

Familiar with: R, MATLAB, C#, PHP.

DATA MANAGEMENT TECHNOLOGIES

MongoDB, ElasticSearch, Hadoop/HDFS, PostgreSQL, MySQL

OTHER

Docker, Git, SVN, LaTeX, Microsoft Office *(Word, Excel, PowerPoint)*

Languages

Greek – Native Speaker

English – Full Professional Proficiency *(CEFR level C2)*
Michigan Certificate of Proficiency in English

French – Elementary Proficiency *(CEFR level B2)*
Diplôme d'Etudes en Langue Française DELF B2