Effrosyni SIMOU
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EDUCATION

July 2016-	ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL) SIGNAL PROCESSING LABORATORY 4 (LTS4). PHD STUDENT. Supervisor : Prof. Pascal Frossard ▷ *Machine Learning on Non-Euclidean Domains.* ▷ *Research on machine learning for data defined on networks.*
September 2013- September 2014	IMPERIAL COLLEGE LONDON-ELECTRICAL ENGINEERING DEPARTMENT. MSc IN COMMUNICATIONS AND SIGNAL PROCESSING. Degree of Graduation : Merit ▷ *Master Thesis : Human Identification Using Gait, Supervisors : Dr. T. Stathakis, Prof. D. P. Mandic.*
September 2007- July 2013	NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA). DIPLOMA IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE. Degree of Graduation : Excellent ▷ *Specialization in Communications and Signal Processing.* ▷ *Thesis : Application of Game Theory for Data Aggregation in Wireless Sensor Networks, Supervisor : Prof. P. Cottis.*

EXPERIENCE

March 2016 - June 2016	ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL) SIGNAL PROCESSING LABORATORY 4 (LTS4). RESEARCH INTERN. ▷ *Worked on quantifying the similarity of the representations of adversarial samples at hidden layers of Deep Neural Networks.*
April 2015 - July 2015	IMPERIAL COLLEGE LONDON-COMPUTING DEPARTMENT-IBUG GROUP. RESEARCH ASSISTANT/ SCIENTIFIC PROGRAMMER. ▷ *Worked on creating a dataset of facial images with feature points.*

AWARDS AND FELLOWSHIPS

Kontaxi Award	Honorary award for ranking first among the 2013 graduates of the NTUA Department of Electrical Engineering and Computer Science within the stream of Communications and Signal Processing.
State Scholarship Foundation (IKI)	Honorary award for ranking first during the academic year 2011/2012.
Tomaideio Prize	Awarded for obtaining the highest overall grade in 2011/2012 among all students from all years in the NTUA Department of Electrical Engineering and Computer Science.

PUBLICATIONS

Effrosyni Simou and Pascal Frossard, "Graph Signal Representation with Wasserstein Barycenters", in 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)

Guillermo Ortiz Jimenez, Mireille El Gheche, Effrosyni Simou, Hermina Petric Maretic and Pascal Frossard, "CDOT : Continuous Domain Adaptation using Optimal Transport", in 2019 Optimal Transport and Machine learning Workshop, Neural Information Processing Systems Conference (NeurIPS).

Guillermo Ortiz Jimenez, Mireille El Gheche, Effrosyni Simou, Hermina Petric Maretic and Pascal Frossard, "Forward-Backward Splitting for Optimal Transport Based Problems", in 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)

SKILLS

Programming	Python, C++, Matlab
	PyTorch, TensorFlow, MatConvNet, Caffe

LANGUAGES

Greek	Mother tongue
English	Fluent (Certificate of Proficiency in English, University of Cambridge)
French	Advanced (Level B2, Institut Francais d Athènes)