
Filippos Kokkinos

- Ph.D. student @ UCL
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 - <https://fkokkinos.github.io/>
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Education

- **University College London (UCL)** **London, UK**
Department of Computer Science
Pursuing my Ph.D. under the supervision of Prof. Iasonas Kokkinos on the topic "Deep Learning on Structured Data".
2019 - present
 - **Skolkovo Institute of Science and Technology (Skoltech)** **Moscow, Russia**
Center for Computational and Data-Intensive Science and Engineering (CDISE)
Started a Ph.D. under the supervision of Prof. Stamatios Lefkimmiatis.
Transferred to UCL after advisors' transition to industry.
2017 - 2019
 - **National Technical University of Athens** **Athens, Greece**
School of Electrical and Computer Engineering
Thesis: "Analysis and development of a deep learning system for sentiment classification"
Thesis Supervisor: Prof. Alexandros Potamianos
2011 - 2017
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Experience

- **Huawei Noah's Ark Lab (London)** www.huawei.com
Research Intern
Research on spatially adaptive computations for Machine Learning and Deep Learning methods.
July 2019 - October 2019
 - **Baby Robot Project (H2020-68783)** <http://babyrobot.eu/>
Research Intern
Research on sentiment analysis of textual information from social media and online reviews. Collaboration with Athena Research Center (<https://www.athenarc.gr/>).
2016 - 2017
 - **Behavioral Signals** <http://behavioralsignals.com/>
Machine Learning Engineer
Part of the modeling team, we developed models able to classify emotions by leveraging vast amounts of call center data. Apart from emotion, various models were developed to encode and recognize different aspects of human intentions.
August 2016 - August 2017
 - **Water Board of Nicosia** Athalassa Avenue, Nicosia, Cyprus
Data Analyst Intern
The internship was offered as part of the International Association for the Exchange of Students for Technical Experience (IAESTE) program. The main duty was the analysis of water consumption data of Water Board of Nicosia, which is the largest public water utility on the island nation of Cyprus, serving approximately one-third of the total population.
June - August 2016
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Honors and Awards

- **Huawei Internship Excellence Award**
 - Award for the design and extensive development of the method "Pixel Adaptive Filtering Units".
- **Skoltech Scholarship for Ph.D. Studies**
 - Scholarship (highest scale) from Skoltech University for developing cutting edge Image Processing technologies as part of my Ph.D. program.
- **A great moment for education 2011**
 - Fellowship from Eurobank EFG for graduating first in high school in Nationwide Examination.
- **Win SemEval-2016 Task 4: Sentiment analysis of Twitter, Subtask B**

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- Tweester team won the SemEval-2016 Task 4: Sentiment analysis of Twitter, Subtask B: Tweet classification according to a two-point scale.
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Technical Skills & Reviewing Activity

Languages: C/C++, CUDA, L^AT_EX, Python, MATLAB, Bash, Assembly, SQL

Libraries: Pytorch, Keras, OpenCV

Operating Systems: Windows, Unix, Linux, Android

Reviewer Activity: TIP 2019

Teaching

- **Teaching Assistant**

Post-graduate

Signal and Image Processing @ Skoltech

2017, 2018

Undergraduate

Speech and Natural Language Processing @ NTUA

2016, 2017

Publications

- **Conference papers**

- **F. Kokkinos**, I. Marras, M. Maggioni, G. Slabaugh, S. Zafeiriou, "Pixel Adaptive Filtering Units", CVPR 2020 (*under review*)
- V. Pronina, **F. Kokkinos**, S. Lefkimmiatis, D. Dylow, "Microscopy Image Restoration with Deep Wiener-Kolmogorov filters", CVPR 2020 (*under review*)
- **F. Kokkinos**, S. Lefkimmiatis, "Iterative Residual CNNs for Burst Photography Applications.", CVPR 2019
- **F. Kokkinos**, S. Lefkimmiatis: "Deep Image Demosaicking using a Cascade of Convolutional Residual Denoising Networks.", ECCV 2018
- **F. Kokkinos**, A. Potamianos: "Structural Attention Neural Networks for improved sentiment analysis", EACL 2017

- **Workshop papers**

- A. Kolovou, **F. Kokkinos**, A. Fergadis, P. Papalampidi, E. Iosif, N. Malandrakis, E. Palogiannidi, H. Papageorgiou, S. Narayanan, A. Potamianos: "Tweester at SemEval-2017 Task 4: Fusion of Semantic-Affective and pairwise classification models for sentiment analysis in Twitter", SemEval 2017
- E. Palogiannidi, A. Kolovou, F. Christopoulou, **F. Kokkinos**, E. Iosif, N. Malandrakis, H. Papageorgiou, S. Narayanan, A. Potamianos: "Tweester at SemEval-2016 Task 4: Sentiment analysis in twitter using semantic-affective model adaptation", SemEval 2016

- **Journals**

- **F. Kokkinos**, S. Lefkimmiatis: "Iterative Residual Network for Deep Joint Image Demosaicking and Denoising", IEEE TIP 2019
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Patents

- **F. Kokkinos**, I. Marras, M. Maggioni, G. Slabaugh, S. Zafeiriou, "Spatially Adaptive Image Filtering", EP2019/081370 (*filed*)
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Languages

Greek (Native), English (Fluent), Russian (Basic), German (Basic)