
Filippos Kokkinos

- Ph.D. student @ UCL
 - filippos.kokkinos@ucl.ac.uk
 - <https://fkokkinos.github.io/>
-

Education

- **University College London (UCL)** **London, UK**
Department of Computer Science *2019 - 2021 (expected)*
Pursuing/continuing my Ph.D. under the supervision of Prof. Iasonas Kokkinos on the topic of deep learning and 3D reconstruction.
 - **Skolkovo Institute of Science and Technology (Skoltech)** **Moscow, Russia**
Center for Computational and Data-Intensive Science and Engineering (CDISE) *2017 - 2019*
Started a Ph.D. under the supervision of Prof. Stamatios Lefkimmiatis.
Transferred to UCL after advisors' transition to industry.
 - **National Technical University of Athens** **Athens, Greece**
School of Electrical and Computer Engineering *2011 - 2017*
Thesis: "Analysis and development of a deep learning system for sentiment classification"
Thesis Supervisor: Prof. Alexandros Potamianos
-

Experience

- **Huawei Noah's Ark Lab (London)** www.huawei.com
Research Intern *July 2019 - 2021*
Research on deep spatially adaptive computational graphs for image and video processing during July and October of 2019. Ongoing research collaboration, which started on October 2020, for the development of a learnable optimization framework for wide range of computer vision tasks.
 - **Baby Robot Project (H2020-68783)** <http://babyrobot.eu/>
Research Assistant *2016 - 2017*
Research on sentiment analysis of textual information from social media and online reviews. Collaboration with Athena Research Center (<https://www.athenarc.gr/>).
 - **Behavioral Signals** <http://behavioralsignals.com/>
Junior Machine Learning Engineer *August 2016 - August 2017*
Part of the modeling team that developed the prototype models to encode and recognize different aspects of human intentions from calls.
 - **Water Board of Nicosia**
Data Analyst Intern *June - September 2016*
Development of a prototype real-time analysis system of water consumption data with capabilities to geographically pinpoint and prioritize potential water pipe bursts.
-

Honors and Awards

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

Technical Skills & Reviewing Activity

Languages: C/C++, \LaTeX , Python, MATLAB, Bash, Assembly, SQL

Libraries: Pytorch, Tensorflow, Keras, OpenCV

Operating Systems: Windows, Linux

Reviewer Activity: CVPR, IEEE TIP

Teaching

- **Teaching Assistant**

Post-graduate

Signal and Image Processing @ Skoltech

2017, 2018

Undergraduate

Speech and Natural Language Processing @ NTUA

2016, 2017

Publications

- **Pre-Prints**

- **F. Kokkinos** and I. Kokkinos, "Learning monocular 3D reconstruction of articulated categories from motion", (under review) [pdf](#)
- **F. Kokkinos**, I. Marras, M. Maggioni, G. Slabaugh, S. Zafeiriou, "Pixel Adaptive Filtering Units", *arXiv* 1911.10581

- **Conference papers**

- V. Pronina, **F. Kokkinos**, S. Lefkimmiatis, D. Dymov, "Microscopy Image Restoration with Deep Wiener-Kolmogorov filters", *ECCV* 2020
- **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: "Tweeter 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: "Tweeter 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
-

Patents

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

Languages

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