Filippos Kokkinos

- Ph.D. student @ UCL
- filippos.kokkinos.19@ucl.ac.uk
- https://fkokkinos.github.io/

Education

- **University College London (UCL)** — **London, UK**
  Department of Computer Science — *2019 - present*
  Pursuing my Ph.D. under the supervision of Prof. Iasonas Kokkinos on the topic "Deep Learning on Structured Data".

- **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 - October 2019*
  Research on spatially adaptive computations for Machine Learning and Deep Learning methods.

- **Baby Robot Project (H2020-68783)** — http://babyrobot.eu/
  Research Intern — *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/
  Machine Learning Engineer — *August 2016 - August 2017*
  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.

- **Water Board of Nicosia** — Athalassa Avenue, Nicosia, Cyprus
  Data Analyst Intern — *June - August 2016*
  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.

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**

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

Core Technical Skills

Languages: C/C++, CUDA, LaTeX, Python, MATLAB, Bash, Assembly, SQL
Libraries: Pytorch, Keras, OpenCV
Operating Systems: Windows, Unix, Linux, Android

Teaching

- **Teaching Assistant**

Post-graduate	Signal and Image Processing @ Skoltech	2017, 2018
Undergraduate	Speech and Natural Language Processing @ NTUA	2016, 2017

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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. Dylov, "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*

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)