DESPOINA TOUSKA

Thessaloniki, Greece

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RESEARCH INTERESTS

Software engineer with 2+ years of experience as a research associate in the machine learning and computer vision fields. Posses abilities to identify, understand and translate program requirements into sustainable, advanced technical solutions through Python, C, C++, JavaScript, and other programs for continuous improvement of AI technologies.

EDUCATION

Aristotle University of Thessaloniki <div align="right">Thessaloniki, Greece</div>
MSc in Electrical and Computer Engineering <div align="right">*October 2013 - April 2020*</div>
- Cumulative GPA: 8.35/10
- Relevant Coursework: Pattern Recognition, Parallel & Distributed Systems, Probabilities & Statistics, Data Structures, Structured Programming, Robotics, Database Systems

Centre for Research and Technology Hellas (CERTH) <div align="right">Thessaloniki, Greece</div>
Collaboration for thesis completion <div align="right">*March 2018 - May 2018*</div>
- Thesis: Video Forgery Detection using Autoencoder and Recurrent Neural Networks (link)
- Grade: 10/10

EXPERIENCE

Centre for Research and Technology Hellas (CERTH) <div align="right">Thessaloniki, Greece</div>
Machine Learning Engineer and Research Associate <div align="right">*September 2020 - Present*</div>

Instituto Superior de Engenharia do Porto (ISEP) <div align="right">Porto, Portugal</div>
Software Engineer and Research Intern <div align="right">*October 2019 - February. 2020*</div>

Centre for Research and Technology Hellas (CERTH) <div align="right">Thessaloniki, Greece</div>
Software Engineer and Research Intern <div align="right">*November 2018 - September 2019*</div>

PUBLICATIONS

- **D. Touska**, K. Gkountakos, K. Ioannidis, T. Tsikrika, S. Vrochidis, I. Kompatsiaris. *Graph-Based Data Association in Multiple Object Tracking: A Survey.* MMM2023. 2023. (accepted for publication)

- Gkountakos, K., **Touska, D.**, Ioannidis, K., Tsikrika, T., Vrochidis, S., & Kompatsiaris, I. *Spatio-temporal activity detection and recognition in untrimmed surveillance videos.* ICMR. 2021.

- Gkountakos, K., Galanopoulos, D., **Touska, D.**, Ioannidis, K., Vrochidis, S., Mezaris, V., & Kompatsiaris, I. *ITI-CERTH participation in ActEV and AVS Tracks of TRECVID 2021.* TRECVID. 2021.

- Gkountakos, K., Galanopoulos, D., Mpakratsas, M., **Touska, D.**, Moumtzidou, A., Ioannidis, K., ... & Kompatsiaris, I. (2020). *ITI-CERTH participation in TRECVID 2020.* TRECVID. 2020.

- Zampoglou, M., Markatopoulou, F., Mercier, G., **Touska, D.**, Apostolidis, E., Papadopoulos, S., ... & Kompatsiaris, I. *Detecting tampered videos with multimedia forensics and deep learning.* MMM2019, 2019

SKILLS

Languages: English (fluent, C2, IELTS: 7.5/9), Greek (native), German (beginner, A2).
Programming Languages: Python (advanced), C/C++ (intermediate), JavaScript (intermediate), HTML (intermediate), CSS (intermediate), SQL (beginner).
Libraries: PyTorch, Keras, Tensorflow, TensorFlow.js, NumPy, Pandas, Sci-Kit Learn.
Production Tools: Docker, Kafka, RabbitMQ, Git