Konstantinos Tsinganos

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FORMAL EDUCATION	**M.Sc.** in Data-Driven Computing and Decision Making	Oct 2019 – Sep 2021
	Department of Computer Engineering and Informatics, Department of Mathematics, University of Patras, Greece Grade: 9.46 / 10	
	Integrated Master (300 ECTS) in Electrical and Computer Engineering	Sep 2012 – Apr 2019
	Department of Electrical and Computer Engineering, University of Patras, Greece Grade: 7.79 / 10	

TEACHING EXPERIENCE	**Intelligent Systems and Robotics**	Mar 2021 – Jun 2021
	Department of Computer Engineering and Informatics University of Patras, Greece Supervisor: Dr. Konstantinos Chatzilygeroudis	
	Databases Laboratory Assistant	Nov 2019 – Feb 2021
	Department of Computer Engineering and Informatics University of Patras, Greece Supervisors: Prof. Maria Rigou and Dr. Eleni Voyiatzaki	
	Object-Oriented Programming Laboratory Assistant	Mar 2020 – Jun 2020
	Department of Computer Engineering and Informatics University of Patras, Greece Supervisors: Prof. Ioannis Hatzilygeroudis, Dr. Dimitrios Koutsomitropoulos and Dr. Eleni Voyiatzaki	

PUBLICATIONS

Behavior Policy Learning: Learning Multi-Stage Tasks via Solution Sketches and Model-Based Controllers, *Konstantinos Tsinganos, Konstantinos Chatzilygeroudis, Denis Hadjivelichkov, Theodore Komninos, Evangelos Dermatas and Dimitrios Kanoulas*, the 31st International Joint Conference on Artificial Intelligence (IJCAI 2022), Vienna, Austria, 2022. (***Under review***)

LANGUAGES

- Greek: Native Speaker
- English: University of Cambridge, First Certificate in English, Level B2

TECHNICAL SKILLS

- Programming Languages: Java, Python, MATLAB, C++, SQL, HTML, CSS, JavaScript, VBA
- Libraries & Frameworks: scikit-learn, pandas, NumPy, matplotlib, PyTorch, OpenCV
- Version Control: Git, GitHub
- Website building: WordPress
- Operating Systems: Windows, Linux
- Office Applications: Microsoft Word, Excel, PowerPoint, LaTeX

RESEARCH INTERESTS

- Visual-based Imitation Learning
- Robot Learning
- Reinforcement Learning
- Explainable and Ethical Artificial Intelligence
- Computer Vision

FURTHER EDUCATION	**Natural Language Processing Specialization** - Coursera	Oct 2020
	Credential ID: MB2KXZBGEZ8K	
	Deep Learning Specialization - Coursera	Sep 2020
	Credential ID: 8A5VZU964M5U	
	HelloAIRIS 2020 - Artificial Intelligence in Healthcare	Jun 2020 – Aug 2020
	Funded by EIT Health and organized by GE Healthcare, KTH Royal Institute of Technology Stockholm and LEITAT	
	Predictive Analytics for Business Nanodegree - Udacity	May 2020
	Confirm program completion at graduation.udacity.com/confirm/AME4LFAM	

PROJECTS

Postgraduate Level, Data-Driven Computing and Decision Making

- Simulation-to-Reality methods for Visual-based Imitation Learning Nov 2020 – Sep 2021
  M.Sc. thesis, Supervisors: Prof. Evangelos Dermatas, Dr. Konstantinos Chatzilygeroudis
- Pre-processing of datasets from FrailSafe project and utilization of (un)-supervised
  machine learning techniques and data visualization tools in Python Dec 2019 – Feb 2020
  Project for the course of Analysis and Management of Spatial-Temporal Data

Undergraduate Level, Electrical and Computer Engineering

- Registration of Satellite Images Oct 2017 – Feb 2019
  Diploma thesis, Supervisor: Prof. Athanassios Skodras
- Design of a database for the warehouse of a store in SQL and JDBC May 2017 – Jun 2017
  Project for the course of Databases
- Implementation of Logic Gates Simulator application in Java Dec 2015 – Jan 2016
  Project for the course of Object-Oriented Technology
- Implementation of a RPN Calculator in Java Oct 2015 – Nov 2015
  Project for the course of Object-Oriented Technology

PERSONAL INTERESTS Byzantine music, digital photography, cycling, observational astronomy