




# Konstantinos Tsinganos


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 <https://github.com/kostatsing>

## EXPERIENCE

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**Software Engineer at Metargus** startup, Patras, Greece **Mar, 2022 – Now**

Metargus creates software for automated live streaming and game analysis powered by computer vision. My work involves:

- Implementation of computer vision modules, e.g. camera calibration, OCR, background subtraction
- Porting research code into production-ready machines (code optimization, GPU utilization, communication via REST APIs)

**Teaching Assistant at CEID** **Nov, 2019 – Jun, 2021**

Department of Computer Engineering and Informatics, University of Patras, Greece

- **Intelligent Systems and Robotics** (Spring Semester of 2020-2021)
- **Object-Oriented Programming Laboratory** (Spring Semester of 2019-2020)
- **Databases Laboratory** (Fall Semesters of 2019-2020 and 2020-2021)

## FORMAL EDUCATION

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**Ph.D. in Sim2Real Methods for Visual-based Imitation Learning** **Mar, 2022 – Now**

Department of Computer Engineering and Informatics, University of Patras, Greece

**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

ECTS: 90

Grade: 9.46 / 10

**Thesis:** Sim2Real Methods for Visual-based Imitation Learning

**Supervisors:** Prof. Evangelos Dermatas, Dr. Konstantinos Chatzilygeroudis

**Integrated Master in Electrical and Computer Engineering** **Sep, 2012 – Apr, 2019**

Department of Electrical and Computer Engineering, University of Patras, Greece

ECTS: 300

Grade: 7.79 / 10

**Thesis:** Registration of Satellite Images, **Supervisor:** Prof. Athanassios Skodras

## FURTHER EDUCATION

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Natural Language Processing Specialization - Coursera

**Oct, 2020**

Credential ID: MB2KXZBGEZ8K

Deep Learning Specialization - Coursera  
Credential ID: 8A5VZU964M5U

**Sep, 2020**

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 <https://graduation.udacity.com/confirm/AME4LFAM>

## TECHNICAL SKILLS

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<b>Programming Languages</b>	C++, Python, Java, MATLAB, SQL, HTML, CSS, JavaScript, VBA
<b>Libraries and Frameworks</b>	PyTorch (Python & C++ distros), OpenCV, FFmpeg (CLI & C++ distro), matplotlib, scikit-learn, pandas, robot.dart, Microsoft C++ REST SDK, JDBC
<b>Version Control</b>	Git, GitHub
<b>Operating Systems</b>	Linux, Windows
<b>Office Applications</b>	L <sup>A</sup> T <sub>E</sub> X, Microsoft Office Suite
<b>Image/Video Editing Software</b>	Gimp, Inkscape, Openshot, Shotcut
<b>Website Building</b>	WordPress

## LANGUAGES

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**Greek** Native Speaker

**English** University of Cambridge, First Certificate in English, Level B2

## ACADEMIC PROJECTS

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Sim2Real 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 EU project and utilization of machine learning algorithms and data visualization tools in Python

**Dec, 2019 – Feb, 2020**

Project for the postgraduate course of *Analysis and Management of Spatial-Temporal Data*

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 undergraduate course of *Databases*

Implementation of a Logic Gates Simulator in Java

**Dec, 2015 – Jan, 2016**

Project for the undergraduate course of *Object-Oriented Technology*

Implementation of a RPN Calculator in Java  
Project for the undergraduate course of *Object-Oriented Technology*

**Oct, 2015 – Nov, 2015**

## **PERSONAL INTERESTS**

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Byzantine Music (Diploma in Ecclesiastical and Byzantine Music)  
Digital Photography  
Cycling  
Observational Astronomy