

ANASTASIOS STAMOULAKATOS

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INTRODUCTION

During my M.Eng. studies in NTUA, I had a first glimpse of Machine Learning and immediately became excited about it. I am currently following a PhD in the University of Strathclyde, Glasgow, working on automating Subsea Survey Video Annotations using Deep Learning. During my PhD, I have had the luck to be involved in Computer Vision projects of image and video classification, object detection and instance segmentation. I see myself as a Machine Learning Engineer with focus on Applied Computer Vision and I would like to work in a cooperative environment that will give me the opportunity to improve my skills and eventually become an expert in the field.

EDUCATION

University of Strathclyde, Glasgow *October 2018 - Present*
PhD Student, CIDCOM Group
Department of Electrical and Electronics Engineering
Project: Automatic Video Annotation for Subsea Survey Video using Deep Learning
Supervisor: Dr. Christos Tachtatzis, Prof. Craig Michie

National Technical University of Athens *October 2012 - March 2018*
Diploma in Engineering (M.Eng. equivalent - 5 year curriculum) *GPA: 7.97/10*
Department of Electrical and Computer Engineering
Major: Systems and Electronics
Diploma Thesis: Causality Plane (wavelet entropy - complexity) of ultrasound images of atheromatous plaque and Binary Classification of their symptomacy with SVM algorithm
Supervisor: Dr. Nikolaos Tsiaparas, Prof. Konstantina Nikita

DEEP LEARNING PROJECTS

Automatic Video Annotation for Subsea Survey Video
using Deep Learning (main PhD project) *October 2018 - Present*

Global Wheat Detection (Kaggle) *May 2020 - August 2020*

Improving the Safety, Reliability, and Efficiency of Cargo Transportation
using Deep Learning Computer Vision *May 2019 - July 2019*

Automatic Identification of Asbestos Fibres in Air Samples
using Deep Learning *January 2019 - March 2019*

PUBLICATIONS

Stamoulakatos, A., Cardona, J., McCaig, C., Murray, D., Filius, H., Atkinson, R., ... Tachtatzis, C. (2020). Automatic annotation of subsea pipelines using deep learning. *Sensors*, 20(3), [674]. <https://doi.org/10.3390/s20030674>

SEMINARS & HACKATHONS

Speaker at DRAGON Training School on Data Science
for Agriculture and Food Security (Novi Sad, Serbia)

December 2019

Participation in DeepLearn 2019, 3rd International Summer School
on Deep Learning (Warsaw, Poland)

July 2019

Participation in Cosmote Hackathon with Application of Smart Parking (Athens, Greece)

June 2017

Participation in Eestec LC Hackathon of Supervised Machine Learning (Athens, Greece)

May 2017

PROFESSIONAL EXPERIENCE

University of Strathclyde, Glasgow
Teaching Assistant

October 2018 - Present

- Student Assistance in C++ Lab Exercises and Final Project

OTE Hellenic Telecommunications Organisation, Athens
Intern

September & October 2017

- Process Analysis
- Robotics Process Automation with Blue Prism software (training by consulting company EY)
- Creation of KPIs (Key Performance Indexes) using Microsoft SQL server

IT SKILLS

Computer Languages	Python, Matlab, C, C++, SQL, Unix Bash
Libraries	PyTorch, Tensorflow, scikit-learn
Annotation Tools	CVAT, LabelMe
Operating Systems	Windows, Linux
Project Management	Git
Typesetting	LaTeX

LANGUAGES

Greek (Native), English (Fluent), French (Basic), Spanish (Basic)

ADDITIONAL INFORMATION

Awards

- Winner of various awards for my University Admission Exams grades (19.300/20.000) (2012)
- Multiple metals and National Records in Competitive Swimming for 7 years

General Interests

- Hiking, Camping, Music festivals

Military Service

- 9-month service in the Greek Army (obligatory for greek male citizens)