Athanasios Vlontzos

PhD Student in Computer Vision for Medical Imaging

- 30 May 1996
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Skills

- Computing Languages: Python, Tensorflow, Keras, Pytorch, Caffe, C++, Java, HTML
- Languages: Greek, English (bilingual), French(B2 Level), Spanish(Elementary)
- OS Systems: Linux, Apple OSX, MS Windows
IEEE,IET student member

Extra-Curricular

- Station Manager(President) |2018-2019| Imperial College London Radio - Managed Student Radio Station
- Head Of Music |2015-2018| Imperial College London Radio - Managing sustain playlist, liaising between radio station and Record Companies
- Year Representative |2018-2019| Imperial College London |Representing 1st year PhD Students to the Department of Computing of Imperial College London
- Debating Team | Moraitis School Athens| Debater, took part in multiple national competitions
- Hellenic Mathematical Society |2010-2014| Participated in multiple national mathematical competitions, ranked amongst the top

Education

Oct'18-Present PhD in Computer Vision for Medical Imaging
Department of Computing | Imperial College London
Biomedia Research Group, Under the supervision of Dr Bernhard Kainz and Prof. Daniel Rueckert

Oct'14-June'18 MEng in Electrical and Electronic Engineering
Department of Electrical and Electronic Engineering | Imperial College London
Degree Grade: 1st class (US GPA equivalent 4.0/4.0)
Focus: Signal Processing, Machine Learning and Computer Vision

2002-2014 Moraitis School Athens   Athens, Greece
Hellenic Apolytirion: 19.7/20 | including Mathematics (19.6/20), Physics (20/20), Development of Applications in a Programming Environment(19.6/20)

Work Experience and Internships

2018-Present Teaching Scholar   Imperial College London
Teaching Scholar for the Department of Computing, involved in teaching Computer Vision, Natural Language Processing, Networks and Web Security, Graphics

Apr-Oct'17 Research Intern   General Electric Healthcare, Buc France
Computer Vision in Medical Imaging Intern; Deep Learning on Convolutional Neural Networks with applications in anatomy and tool recognition for X-Ray images.
- Supervisor: Clement MARTI, GE Healthcare

July-Oct'16 Undergraduate Research Opportunity   Imperial College London
Collaborated with Prof. Erol Gelenbe on research of Random Neural Networks

Research and Projects

Oct'18-Present Reinforcement Learning in Medical Imaging
BioMedIA Research Group | Imperial College London
Developing novel Reinforcement Learning techniques for Medical Imaging applications in MRI and Ultrasounds

Oct'17-May'18 Deep Segmentation and Registration in X-Ray Angiography Video
Intelligent Systems and Networks Research Group| Imperial College London
Final Year project on Deep Segmentation and Registration in X-Ray Angiography Video. Presented on BMVC 2018 conference. Supervisor Dr K. Mikolajczyk

July-Oct'16 The RNN-ELM Classifier   Intelligent Systems and Networks Research Group| Imperial College London
Deep Learning on a Random Neural Network with applications in image recognition. "The RNN-ELM Classifier" | Supervisor: Prof. Erol Gelenbe, Imperial College London | Paper Accepted at : MLINI 2016 workshop, part of NIPS 2016 conference, Presented at IJCNN 2017

Achievements

May'17 Travel Award   Anchorage, AK
Travel Award for IEEE's International Joint Conference in Neural Networks, Anchorage,AK

Jun'16 Second - Second Year Group Project   Imperial Collge London
Imperial College London EEE Department, Smart Helmet - Navigation and Haptic Feedback Bicycle Helmet

2012-2013 European Union Science Olympiad (EUSO)   Athens, Greece
In a team of 3 competed in laboratory experiments in Physics, Chemistry and Biology, came 1st in regional level and 5th in national Level