Nikolaos Manginas

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EDUCATION

Current	MEng in ELECTRICAL AND ELECTRONIC ENGINEERING WITH COMPUTER SCIENCE
SEPTEMBER 2015 (Graduating 2019)	**University College London(UCL)** Degree Specialisation: Machine Learning Systems First Year Average: 78/100 Second Year Average: 76/100 Third Year Average: 72/100
SEPTEMBER 2013 - JUNE 2015	INTERNATIONAL BACCALAUREATE PROGRAMME **Moraitis School**, Athens Grade: 41/45

WORK EXPERIENCE

JUNE 2017 - AUGUST 2017	Digital Designer **Raymetrics**(LIDAR Systems) Project Title: Development of Simulation Hardware and Software · Worked, as part of a team, on developing a device able to realistically simulate the behavior of a number of systems. · Focused on both hardware and software development for previously untackled problems. · Constructed a PCB including relays, IC's, MOSFET circuitry and a core processor which was programmed in Arduino/C.

RESEARCH PROJECTS

JUNE 2017 - MARCH 2017	AUDIO CLASSIFICATION WITH DEEP-LEARNING **University College London(UCL)** · Working in Python with deep-learning library Tensorflow · Audio file manipulation to extract useful features in pre-processing · Applying Short-time Furrier Transforms, frequency-shaping, frequency filtering and other signal processing techniques · Creation of Convolution Neural Networks(CNN) for classification

ACHIEVEMENTS

MAY 2015	Honors Degree from Moraitis School International Baccalaureate
2011-2014	Hellenic Mathematical Society. Multiple diplomas.
JANUARY 2015	First place in Attica School Volleyball. Team Captain.

PROGRAMMING LANGUAGES

WORKING PROFICIENCY:	Python. Matlab
INTERMEDIATE:	Java , C/C++ , Haskell, HTML
BASIC KNOWLEDGE:	Miranda, C#, Javascript

FRAMEWORKS

PYTHON:	Tensorflow, Keras, OpenAi-Gym, Numpy-Scipy, Django, Tkinter, MatPlotLib
C++:	NS-3

Languages

Greek:	Fluent (Mother tongue)
English:	Fluent (TOEFL - 112/120)
German:	Basic Knowledge (OSD B2)

Interests

Music, Cinema , Sports