

# Apostolos Panagiotopoulos

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## EDUCATION

<b>Aristotle University of Thessaloniki (AUTH)</b> , Thessaloniki, Greece BSc & MSc in Electrical and Computer Engineering (5 year joint degree) <ul style="list-style-type: none"><li>• <b>Thesis:</b> Zero and few shot learning for image classification</li><li>• <b>Grade:</b> 9.25/10 (top 2% in the class of 2020)</li></ul>	Oct 2015 - Jul 2020
<b>Institut National des Sciences Appliquées de Toulouse</b> , Toulouse, France Exchange student for a semester with the Erasmus+ program	Sep 2018 - Jan 2019

## EXTRACURRICULAR COURSES

<b>Natural Language Processing</b> , Higher School of Economics <ul style="list-style-type: none"><li>• Learned about text classification, language modeling, seq-to-seq tasks and dialog systems.</li><li>• Built a Telegram chatbot in Python.</li></ul>	Apr 2018 - May 2018
<b>Machine Learning</b> , Stanford University <ul style="list-style-type: none"><li>• Learned about Linear and Logistic Regression, NNs, SVMs and Unsupervised Learning.</li><li>• Completed coursework projects in MATLAB to understand the above concepts in practice.</li></ul>	Jun 2017 - Aug 2017
<b>Artificial Intelligence</b> , BerkeleyX, CS188x <ul style="list-style-type: none"><li>• Explored a variety of AI topics including Search, CPSs, MDPs, RL, HMM and Bayes Nets.</li><li>• Completed a series of projects in Python, with the capstone being a rational Pacman agent.</li></ul>	Aug 2016 - Dec 2016

## EXPERIENCE

<b>Deep Learning Research Assistant</b> , Information Technologies Institute, CERTH Working on geolocation estimation of photos.	Jan 2021 - Now
<b>Machine Learning Intern</b> , Information Technologies Institute, CERTH Pursued a pipelined solution for extracting keyphrases from news videos, including automatic speech recognition, text restoration techniques, NLP and automatic keyphrase generation.	Jul 2019 - Sep 2019
<b>Co-Founder</b> , NLP-xplore Co-founded NLP-xplore, a start-up focused on dialogue systems imitating famous deceased personalities. Used Keras and Rasa for our first chatbot which tried to respond like Shakespeare.	Feb 2018 - Sep 2018
<b>Researcher Assistant</b> , Icarus, AUTH Worked on pose estimation of various objects for UAV object tracking and cinematography.	Nov 2017 - Jan 2018
<b>Speaker Recognition</b> , Built a real-time Speaker Recognition software by extracting the Mel Frequency Cepstral Coefficients of user's voice to create a Gaussian Mixture Model for each speaker.	Jul 2017 - Sep 2017
<b>Tutor</b> , CS National Olympiad Preparation Club Taught Algorithm and Data Structures to high school students.	Oct 2015 - Mar 2016

## TECHNICAL SKILLS

**Languages:** Python, C/C++, Java, MATLAB, R, Assembly (MIPS)  
**Libraries:** PyTorch, Pytorch Lightning, Weights & Biases, Tensorboard, Pandas, NumPy, Matplotlib  
**Developer Tools:** Git, Docker, VS Code

## AWARDS & HONORS

<b>International Mathematical Olympiad</b> , Honorable Mention	2015
<b>Balkan Mathematical Olympiad</b> , Bronze Medal	2015
<b>Computer Science National Olympiad</b> , top-50 finalists nationwide	2012-2015
<b>National Physics Olympiad</b> , top-10 finalists nationwide	2011-2015
<b>Stanford University Mathematics Camp</b> , Ky and Yu-Fen Fan Scholarship	2014
<b>Princeton University Physics Competition</b> , 7 <sup>th</sup> Place	2014