

KONSTANTINOS KALLIDROMITIS

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EDUCATION

Cornell Tech , New York, NY	May 2020
Master of Engineering in Electrical and Computer Engineering GPA: Pending Merit Scholarship Recipient, Coursework (Applied Machine Learning, Deep Learning)	
University of Southampton , Southampton, United Kingdom	2016 - 2019
Bachelor of Engineering in Electrical and Electronic Engineering GPA: 4.0 First Class Honors, Top 10 in Deep Learning Thesis	
Tsinghua University , Beijing, China	July 2019
Exchange Class in Deep Learning Acceptance Rate <10% Multiple coding assignments in deep learning related to computer vision and NLP	

TECHNICAL SKILLS

Coding Language	Python, R, MySQL, JavaScript, CSS, HTML, MATLAB
Other Tools	PyTorch, TensorFlow, Cuda, AWS, Django, Firebase

PROJECTS

THESIS: Adversarial Attacks on Neural Networks (Python, AWS) -- GitHub	Fall 2018
Engineering Thesis on Adversarial Attacks in Deep Learning and Computer Vision <ul style="list-style-type: none">Street sign classification and facial recognition with convolutional ResNetsTraining real world image and video feed using Boundary Attacks, Expectation over TransformationDefending against attacks with Defensive distillation, Denoising Models and Adversarial TrainingMulti-GPU parallel training on a supercomputer	
Anime TV show Recommender System , (Python, GCP, Flask) -- Website GitHub	Summer 2019
Recommender system based on watch history for Anime <ul style="list-style-type: none">Collaborative recommendation ML algorithm for 6270 users of Myanimelist databaseREST API creation to access information from a Flask web app using GCP and full-stack developmentPredictions using a clustering ensemble model with a watch rate of 11% for users	
Stock Prices Prediction , (R, Azure) -- GitHub	Fall 2019
Live prediction of closing stock prices for the following days <ul style="list-style-type: none">Continuous training of LSTM neural network and HMM on Azure and hosted API with DjangoData analytics of stock prices and real time prediction comparison with an accuracy of 49%	

EXPERIENCE

Jaguar Land Rover, Engineering Intern , United Kingdom	June - September 2018
<ul style="list-style-type: none">Analyzed 20+ hrs. of video feed and extracted features that were used in a Deep Learning netCoded an HMM model to allow a car to change lanes in a highway to simulate a human driverConnected self-driving with the electric motor and reduced electromagnetic sustainability costs by 25%	
PricewaterhouseCoopers (PwC), Software Engineering Intern , Greece	July - August 2017
<ul style="list-style-type: none">Analyzed client-company data points using Python and SQL such as projects and workhours to support consulting adviceProgrammed part of a large-scale software platform for SAP Fiori to expand data collection within the company by ~33%	
Epsilon SA, Data Science Intern , Greece	July - August 2015
<ul style="list-style-type: none">Dataset creation of hospitals and healthcare providers in Greece by coding web scrappersFeature extraction with phone numbers, locations to increase accessibility and pre-process data	

PERSONAL

Microsoft, Student Partner , New York	October 2018-Present
<ul style="list-style-type: none">Teaching cloud computing and machine learning (Azure, ML Studio, TensorFlow)Organization of hackathons and tech talks (Microsoft AI Lab)	
Facebook Analytics Academy , United Kingdom	September 2018
<ul style="list-style-type: none">First place on Messenger Big Data Competition after presentation of results on Facebook expertsAccuracy of 79% on millions of data points on predicting Facebook users' behavior	