# KONSTANTINOS KARRAS

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| **Education** | **CORNELL TECH AT CORNELL UNIVERSITY** | **New York, NY** |

Master of Engineering in Electrical and Computer Engineering, May 2020
Merit Scholarship Recipient

**UNIVERSITY OF SOUTHAMPTON**

Bachelor of Electrical and Electronic Engineering, Major: ML, June 2019  **Southampton, UK**
First Class Honors Degree, 80% on thesis in Deep Learning

**Experience**
2018  **JAGUAR LAND ROVER**
*Engineering Intern*  **Coventry, UK**

Internship in two departments: electric cars and self-driving vehicles.
- Implemented and tested 17 new electromagnetic compatibility solutions which reduced manufacturing cost by 25%.
- Programmed part of the decision-making process of the self-driving vehicle algorithm to simulate human choices

2017  **PRICEWATERHOUSECOOPERS**  **Athens, GR**
*Software Engineering Intern*

Internship in the Applications department on data collection and software development for clients and within the company.
- Programmed part of a large-scale software platform for SAP Fiori to expand data collection within the company by ~33%
- Analyzed client-company data points collected in SAP using SQL and Python to support consulting advice

2015  **EPSILON INTERNATIONAL SA**  **Athens, GR**
*Data Science Intern*

Data driven role to improve access to healthcare information for individuals
- Dataset creation of hospitals and healthcare providers in Greece
- Clean-up of data and feature extraction

**Projects**  **Adversarial Examples on Neural Networks** − GitHub
- Street sign classification and facial recognition using convolutional nets
- Generation of cutting-edge machine learning attack and defense algorithms

**Anime Recommender System** − GitHub  Webpage
- Collaborative recommendation algorithm for 6271 users
- REST API creation to access information from a Flask web app
- Full stack development of webpage to display results

**Prediction of Stock Prices using Deep Learning** − GitHub
- Sequential training of machine learning model on AWS with initial acc: 46%
- Data analytics of stock prices and real time prediction comparison

**Skills**  Python, SQL, MATLAB, C++, JS, HTML/CSS
TensorFlow, Pytorch, Azure, AWS, Pandas, Scikit-learn, Flask, Git

**Personal**  Microsoft Student Partner
Member of MENSA