

# Eleftherios Koulterakis

*Data Scientist*

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I have industrial experience in projects that cover the complete spectrum of Data Science: From Machine Learning to Software Development and Data Engineering. I am keen on designing and participating to every part of the project's pipeline, communicating with the stakeholders, and presenting the results. I enjoy working in teams.

## Working Experience and Projects

2016 - 2018 **Data Scientist**, *Jheronimus Academy of Data Science / Eindhoven University of Technology*, 's Hertogenbosch, Netherlands.

Projects: • *GGD* : Modeling Infectious Diseases using Deep Learning.

- *Philips Lighting*: Integrated the visualization software [Superset](#) with Spark.
- *GGD* : Visualizing Healthcare Data.
- *TU/e* : CNNs for Image Processing and Transfer Learning.
- *Heijmans* : Analysing the Efficiency of the Tilburg Energy Factory.
- *Wärtsilä* : Exploring the Powerplant Dataset.

2015 - 2016 **Computational Scientist**, *National Technical University of Athens*, Greece.  
Joined the Computational Material Science and Engineering (CoMSE) group and developed computational methods and simulations to study the performance of novel materials for the project [CoLiSa](#), funded by European Union's 7<sup>th</sup> framework.

2013 - 2014 **Data Science Intern**, *Greek Atomic Energy Commission*, Athens, Greece.  
Analyzed the gamma camera dataset for the inspection department. Machine learning and statistics were employed for this purpose.

Summer 2012 **Research Intern**, *Virginia Commonwealth University*, Richmond VA, USA.  
Neuroscience research internship that entailed the use of biophysics techniques.

## Education

2016 - 2018 **Professional Doctorate in Engineering (PDEng) in Data Science**, *Eindhoven University of Technology*, Netherlands.

**Specialization**: Machine learning.

During this time I also received the Machine Learning Engineer [Nanodegree](#) by Udacity.

2014 - 2016 **MSc in Microsystems and Nanodevices**, *National Technical University of Athens*, Greece.

**Specialization**: Computational and Simulation Methods.

2009 - 2014 **BSc in Physics**, *National and Kapodistrian University of Athens*, Greece.

**Specialization**: Applied Mathematics for Engineering and Science.

## Computer skills

Languages Strong: Python, Fortran.  
Knownedgable: C, R, SQL, HTML, MATLAB.  
Tools Git, PySpark, L<sup>A</sup>T<sub>E</sub>X.  
OS Windows, Linux.

## Awards & Achievements

- 2012 **Internship Grant**, *Virginia Commonwealth University*, Richmond VA, USA.  
Offered by the Physiology and Biophysics Lab of the Medical School in order to cover my relocation costs and my participation to the research activities.
- 2008 **Honour Prix**.  
I was awarded the Honour Prix by the Greek Ministry of Education for having scored the best grades in my high school for the university admission examinations.
- 2007 **2<sup>nd</sup> Prix at the Francophone Competition**, *French Embassy and French Institute of Athens*, Greece.  
Concours de la Francophonie, Deuxième prix de fiction.

## Languages

Greek	Full professional proficiency	<i>Native language.</i>
English	Full professional proficiency	<i>Certified by Michigan University (2013)</i>
French	Limited working proficiency	<i>Delf 1, 2eme prix de la francophonie (2007)</i>

## Interests

Piano Player My lifelong activity.

Traveling I have visited the following countries: UK, Spain, Tunisia, Turkey, USA, Finland, Belgium, Netherlands, Italy, Czech Republic, France, and Poland.