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## EDUCATION

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10/2018 – 09/2019: **University of Warwick**, Department of Computer Science, Coventry, UK

- MSc in Data Analytics (with “Distinction”)
- Modules included Data Mining, Foundation of Data Analytics, Foundation of Computing (Python) and Algorithmic Game Theory

09/2010 – 07/2018: **National and Kapodistrian University of Athens**, Department of Mathematics, Athens, Greece

- BSc in Mathematics
- Modules included Statistics, Operations Research, Stochastic Processes, Computer Science I (Python), Computer Science II (Java) and Computer Science and Technology

09/2007 – 06/2010: **2nd Experimental Lyceum of Athens**, Athens, Greece

## CURRENT POSITION

04/2020 – Present: **PhD Student**, National Technical University of Athens, School of Civil Engineering, Athens, Greece

- Researching Deep Learning applications in engineering and data-driven modelling
- Member of MGroup

## PUBLICATIONS

- Papadopoulos L., Nikolopoulos S., Kalogeris I., Papadopoulos V. A computational framework for the indirect estimation of interface thermal resistance of composite materials using XPINNs. Submitted to *International Journal of Mass and Heat Transfer*.
- Savvides, A.A., Papadopoulos L. A neural network approach for the reliability analysis on failure of shallow foundations on cohesive soils (Under Review).

- Xiaoxin Lu, Julien Yvonnet, Leonidas Papadopoulos, Ioannis Kalogeris, Vissarion Papadopoulos. A Stochastic FE2 Data-Driven Method for Nonlinear Multiscale Modeling. *Materials*, MDPI, 2021, 14 (11), pp.2875.
- Currently working as lead researcher to a Time Series Forecasting project utilising the Transformer-based model ConvTrans.

## CERTIFICATES

- 11/2019-12/2019: Series of seminars:“**Introduction to Object-Oriented Programming in C# environment and to MSolve Finite Element Method software**”, Laboratory of Structural Analysis and Antiseismic Research, National Technical University of Athens, School of Civil Engineering, Athens, Greece

## PROFESSIONAL EXPERIENCE

08/2013 – 10/2016: **Maths Tutor** for Lyceum pupils

- Preparing and delivering individual lessons
- Assessing pupils’ level of mathematics

02/2013 – 05/2013: **Auditor**, Hellenic Research House, Athens, Greece

- Auditor in food research surveys for Hellenic Research House
- Providing advices that assisted in the formation of marketing strategies

## SKILLS

- Strong **mathematical background** and problem-solving skills
- Deep understanding of the **Machine Learning** framework and rich hands-on experience
- Extensive knowledge of **statistical concepts** (both classical and bayesian) and **stochastic modelling**
- Proficiency in **Object-Oriented Programming**.
- Familiarity with the following **programming languages**:
  - **Python** (including data science libraries, such as Tensorflow and Pytorch)
  - **Java** (including data science tools, ex. Weka)
  - **Matlab** (including data science toolkits, ex. Deep Learning Toolbox )
  - **C#**

## **PARTICIPATION AND VOLUNTEERING**

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- **Chief Editor** and **author**, Kaboomzine.gr, online magazine including articles on science, philosophy and politics, 2011-2015
- Co-wrote and co-edited a collective book, 2016

## **LANGUAGES**

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- **English** (fluent), **French** (basic), **Greek** (native)