

Michail Chatzianastasis

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Education

National Technical University of Athens

MENG IN ELECTRICAL AND COMPUTER ENGINEERING (ECE)

- 5-year joint degree, 300 ECTS, GPA: 8.24/10
- *Major:* Computer Science
- *Thesis:* Generating Neural Network Architectures with Graph Variational Autoencoder. *Grade:*10/10

Athens, Greece

Sep. 2015 - Nov. 2020

3rd General Lyceum of Rhodes

NATIONWIDE UNIVERSITY ENTRANCE EXAMS SCORE: 19,443/20,000 (TOP 1% NATIONWIDE) .

Rhodes, Greece

Sep. 2012 - Jun. 2015

Work Experience

Data Science and Mining (DaSciM) team of École Polytechnique

RESEARCH ASSOCIATE

- Research in Graph Neural Networks for biomedical data.
- Research in new Deep Learning Architectures for graphs.
- *Advisor:* Prof. Michalis Vazirgiannis

Paris, France

May. 2021 - Oct. 2021

Laboratory of Algebraic and Geometric Algorithms EpΓA

MACHINE LEARNING RESEARCHER

- Provide short-term wind energy predictions for wind farms using machine learning.
- Develop Deep Neural Networks for time-series prediction.
- *Advisor:* Prof. Ioannis Emiris

Athens, Greece

Sep. 2020 - Present

Data Science and Mining (DaSciM) team of École Polytechnique

UNDERGRADUATE RESEARCHER

- Pursuing my undergraduate thesis in collaboration with DaSciM team.
- Developed a novel method for neural architecture search using operation embeddings
- *Advisor:* Prof. Michalis Vazirgiannis

Remote

Apr. 2020 - Nov. 2020

NCSR Democritos

MACHINE LEARNING ENGINEER

- Analyzed language samples using natural language processing techniques to automatically detect early indicators of Alzheimer's, using scikit-learn and PyTorch.
- Developed and designed an android application to show user's grammatical and lexical score in several cognitive tasks using Java.

Athens, Greece

Sep. 2019 - Jan. 2020

Google Summer Of Code

SOFTWARE ENGINEER (SUMMER INTERNSHIP)

- Developed a fully functional RESTful API that supports the whole lifecycle of a thesis, eliminating the time-consuming procedures in universities. [Repository]
- The project is currently maintained by Harokopio University.
- *Advisor:* Prof. Iraklis Varlamis

Remote

Apr. 2019 - Sep. 2019

Publications

Graph-based Neural Architecture Search with Operation Embeddings

Michail Chatzianastasis, George Dasoulas, Georgios Siolas, Michalis Vazirgiannis

Published at ICCV 2021 Workshop on Neural Architectures: Past, Present and Future, 2021 [link]

Honors & Awards

2015-2020 **Five years Scholarship**, by the Rhodes Scholarship Foundation for my performance in university.

2016 **Scholarship**, by Eurobank and Greek State Scholarship Foundation for obtaining the highest grade in the prefecture, in university entrance exams.

2018 **Scholarship**, by Intrisoft International for their educational program in web development

Skills

Machine Learning	PyTorch,TensorFlow Keras, Scikit-Learn
Web-Development	Node.js Express, java, Javascript , Angular, HTML5
Scientific Programming and Data Analysis	Python, C++, MATLAB, octave, NumPy, matplotlib , LaTeX
Databases	MySQL,MongoDB
Languages	Greek, English, German

Extracurricular Activity

Google Hash Code 2018

GET A TOP 10 SCORE IN GREECE, BY IMPLEMENTING A ROUTING ALGORITHM FOR SELF-DRIVING CAR.

Athens,Greece

2018

Sensors Coding Hackathon 2018 by Advantage Austria and IEEE Ntua Student Branch

IMPLEMENTED A FOREST FIRE SYSTEM DETECTION BY TAKING DATA FROM FIRE SENSORS AND CAMERA AND MONITOR THEM FROM A WEB SITE. TECHNOLOGIES USED:JAVASCRIPT, NODE-RED

Athens,Greece

2018