

Michail Chatzianastasis

SOFTWARE ENGINEER

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“Opportunities don’t happen, you create them.”

Education

National Technical University of Athens

Athens, Greece

MENG IN ELECTRICAL AND COMPUTER ENGINEERING (ECE)

Sep. 2015 - Nov. 2020

- 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. *Working paper*
- Coursework in Machine Learning, Pattern Recognition, Algorithms, Speech and Natural Language Processing, Software Engineering, Operating Systems, Computer networks

3rd General Lyceum of Rhodes

Rhodes, Greece

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

Sep. 2012 - Jun. 2015

Work Experience

Data Science and Mining (DaSciM) team of École Polytechnique

Paris, France

RESEARCH ASSOCIATE

May. 2021 - Present

- Employ Graph Representation Learning for Recommendation Systems
- Develop Deep learning architectures for sets

Laboratory of Algebraic and Geometric Algorithms EpΓA

Athens, Greece

MACHINE LEARNING RESEARCHER

Sep. 2020 - Present

- Provide short-term wind energy predictions for wind farms using machine learning.
- Develop Deep Neural Networks for time-series prediction.
- Cooperate with Terna and Mytilineos in order to provide predictions for their wind farms.
- *Advisor:* Prof. Ioannis Emiris

Data Science and Mining (DaSciM) team of École Polytechnique

Remote

UNDERGRADUATE RESEARCHER

Apr. 2020 - Nov. 2020

- Pursuing my undergraduate thesis in collaboration with DaSciM team.
- Working on Graph Generative Models and Neural Architecture Search.
- Developed a novel method for neural architecture search using operation embeddings
- *Advisor:* Prof. Michalis Vazirgiannis

NCSR Democritos

Athens, Greece

MACHINE LEARNING ENGINEER

Sep. 2019 - Jan. 2020

- 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.
- Integrate the machine learning pipeline with the android application , in order to predict user's risk score of getting Alzheimer's disease

Google Summer Of Code

SOFTWARE ENGINEER (SUMMER INTERNSHIP)

Apr. 2019 - Sep. 2019

- Developed a fully functional system that supports the whole lifecycle of a thesis, eliminating the time-consuming procedures in universities. [Repository]
- Implemented a RESTful API to support multiple roles in a university(student,professor,secretariat) using Node.js
- Designed a user-friendly front-end system using Angular
- The project is currently maintained by Harokopio University.
- *Advisor:* Prof. Iraklis Varlamis

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 Intrasoft International for their educational program in web development *Athens, Greece*

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 *Athens, Greece*
GET A TOP 10 SCORE IN GREECE, BY IMPLEMENTING A ROUTING ALGORITHM FOR SELF-DRIVING CAR. *2018*

Sensors Coding Hackathon 2018 by Advantage Austria and IEEE Ntua Student Branch *Athens, Greece*
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 *2018*