Michail Chatzianastasis

SOFTWARE ENGINEER

Nikolaou Kazantzaki 43, Athens, Greece

☐ (+30) 6942427264 | ✉ mixalisx97@gmail.com | ⊙ MichailChatzianastasis | in michail-chatzianastasis

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

Laboratory of Algebraic and Geometric Algorithms ΕρΓΑ   *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   *Remote*

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 perfecture, in university entrance exams.

2018 **Scholarship**, by Intrasoft 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 *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*