NIKOLAOS PARASKAKIS

Electrical and Computer Engineer

Personal Info

First name: Nikolaos
Last name: Paraskakis
Date of birth: 20/12/1999
Place of birth: Chania, Crete, Greece
Nationality: Greek

Contact Info

Address: Kapsali 6
Agia Paraskevi, Attiki, Greece
15343
Telephone: (+30)6931370825
E-mail: nikolasparaskakis@gmail.com

Profile

I am an Electrical & Computer Engineer. I am an enthusiast of the various knowledge fields that this school has offered to me along with the mechanic's mindset. I like to work in teams, to be organized, and I always approach a project methodically, while searching and learning whatever is unfamiliar to me. I have a keen interest in gaining in-depth knowledge of whatever I am doing. Currently, I am advancing my expertise through postgraduate studies in Data Science, with aspirations to further deepen my knowledge and research capabilities by pursuing a PhD in related fields.

Skills

- Programming languages: C, C#, Java, Python, MATLAB, SQL, Neo4j, VHDL
- Advanced coding skills on Python ML libraries: PyTorch, scikit-learn, scikit-optimize, and GPyTorch
- Advanced knowledge on: Linear Algebra, Optimization, Probability Theory, Statistics, and Pattern Recognition
- Excellent computer skills and usage of: LaTeX, Microsoft Office, Visual Studio Code, Jupyter Lab, Hadoop
- Certificate in English language - Level C2
- Certificate in German language - Level B2
- Driving license of category B

Education

June 2018

High School Graduate, 3rd High School of Chania. Grade 19.9 out of 20.0.

September 2018 – October 2023

Undergraduate Studies in **Electrical & Computer Engineering** (ECE) at the **Technical University of Crete** (TUC).
Integrated Master in ECE, **Grade 9.37 out of 10.00**.
My diploma thesis was on data science and machine learning, with the title "Time-series Analysis using Machine Learning Methods".

October 2023 – present

Postgraduate Studies in **Data Science** at the National Center for Scientific Research (NCSR) "Demokritos" (Institute of Informatics and Telecommunications) in collaboration with the University of Peloponnese (Department of Informatics and Telecommunications).
I have completed the first half of my postgraduate studies and achieved a GPA of 10.00 out of 10.00.

Projects

During my studies, I have acquired knowledge of advanced mathematics, physics, electronics, telecommunications, and programming. I am experienced in object-oriented and functional programming. I have been involved in projects with the following topics:

- Structural programming (Java)
- Data and file structures (Java)
- Operating systems (C)
- Databases (PostgreSQL)
- Tools of Software Development & System Programming (Bash script, Python, and C)
- Programming using MATLAB for various purposes
- Statistical Modeling and Pattern Recognition (MATLAB, and Python)
- Advanced Convex Optimization (MATLAB, and Python)
- Computation Theory (design a source-to-source compiler using Bison and Flex)
- Graphics design (Unity, and C#)
- CPU Design (VHDL)

My main interests are in data science, machine learning, optimization algorithms, and pattern recognition.

Work Experience

January 2024 – present
Software Engineer (Fully Remote)
Euphyia Tech Ltd

Presentations

July 2023
Poster presentation with the title "**Modeling the number of sunspots using machine learning**" at the **International Conference SigmaPhi 2023** that is about Statistical Physics.