Antigoni Karagiannaki

Computer Science Graduate
Software Developer

CONTACT

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PROFESSIONAL EXPERIENCE

(STEM) Computer Science Educator | Oct 2024 – Febr 2025
3rd General High School of Heraklion , GR

- Taught programming basics to high school students
- Developed comprehensive lesson plans for computer science education
- Mentored students in various programming projects
- Improved communication and instructional skills through classroom teaching

Research Assistant – Neural Network Analysis | Jul 2023 – Sept 2023
ITE – FORTH

- Utilized Python for data analysis and visualization of neural data from a partnering lab
- Applied computational techniques to analyze complex neural datasets
- Explored Support Vector Machines (SVMs) and Machine Learning Algorithms for neural data analysis

Undergraduate Teaching Assistant | Febr 2023 – Jun 2023
CSD – University Of Crete

- Conducted lab sessions to reinforce network concepts and protocols
- Held regular office hours to clarify student doubts on networking topics
- Provided individualized support to students struggling with network concept

EDUCATION

University Of Crete | 2020–2025
Bachelor's in Computer Science

- GPA: 7.1/10
- Thesis: Deep Active Learning Algorithms on Imbalanced Data
  Developed a system to evaluate deep active learning strategies on imbalanced image datasets using the UC Merced Land Use dataset. Implemented custom Python functions to load, preprocess, and analyze landscape images, comparing advanced sampling methods against random sampling. Utilized various performance metrics to assess model behavior under different data selection strategies, focusing on improving efficiency in training deep models with limited labeled data
- Projects: Medical Data Info System | Alpha Lang Compiler | Simple Cell & Operating System | Warehouse Management Software | Personal Website

CERTIFICATES

Pedagogical and Teaching Competence (Computer Science) | 2023 – 2025

Sorbonne B2 | 2018

C2 Proficiency (CPE) – Michigan | 2017