

CHIVINTAR AMENTY – CURRICULUM VITAE

PERSONAL DETAILS

Date of birth: 30 April 1995 – Athens, Greece
Home address: Kalathenes, Kissamos Chania, 73400 Greece
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EDUCATION


Jul 2025 **School of Electrical and Computer Engineering – Technical University of Crete**
MSc, Data Science and Machine Learning
Grade: 8.56/10 (*Excellent*)


Jul 2023 **Department of Physics – University of Crete, Greece**
BSc, Physics
Grade: 6.68/10 (*Very Good*)

Jun 2013 **High School of Kissamos, Chania, Greece**
Grade: 18.1/20 (*Excellent*)

SELECTED PROJECTS

Jul 2025 **Causal Inference & Network Discovery in Complex Time Series Data** 
Multivariate time series, Liang-Kleeman Information Flow, Statistical Testing

Jun 2025 **Reducing Opinion Polarization Over a Social Network** 
Graph Networks, MDPs, Deep-Q Network

May 2025 **Sleep Stage Analysis on Electroencephalography (EEG) Data** 
Sleep Classification, Gaussian Mixture Models, classic ML algorithms

RESEARCH EXPERIENCE

Aug-Nov 2025 **Spectroscopy Methods & Data Analysis on Tree Seeds**, *Faculty of Science, Forestry and Technology, University of Eastern Finland*. Time Domain Spectroscopy, Hyperspectral imaging analysis, ML methods, Lab assistant
MSCA SE CHARTIST

Jul-Sep 2024 **Graphene Mapping & Lithography**, *Dept. of Physics and Mathematics, University of Eastern Finland*. Raman Spectroscopy, Electron beam lithography
MSCA SE CHARTIST

Oct-Dec 2023	DAC Prototype Design , <i>CHREA, CNRS Nice, France</i> . Evaluation board, ECE Software MSCA SE CHARTIST
Jan-Mar 2023	Graphene Chip Characterization , <i>Dept. of Physics and Mathematics, University of Eastern Finland</i> . Probe station, TDS, THz applications MSCA SE CHARTIST
Jul-Sep 2022	NO2 Satellite Observations , <i>Institute of Environmental Physics, University of Bremen, Germany</i> . TROPOMI Instrument on Sentinel-5P Erasmus+ Internship
Feb-May 2022	Urban CO2 Emissions Analysis , <i>IACM-FORTH, Greece</i> . Eddy Covariance Method. Remote Sensing (ph338) course project
May-Sep 2018	Chiral Polarimeter Development , <i>IESL-FORTH, Greece</i> . Solenoid building and water-cooling system for scientific apparatus. Internship

SPECIALIZED TRAINING

Jul 2025	Neural Network Compression. <i>TUC ECE Summer School, Chania</i>
Jun 2024	Multiple Point Statistics in Python. <i>GeoENV2024, Chania</i>
Nov 2023	Networking and TCP/IP Fundamentals. <i>EMiT Feltrinelli</i>
Mar 2023	Clean Room Fundamentals. <i>UEF, Joensuu</i>
Jul 2022	Karst Modeling Geological Fieldtrip. <i>Technical University of Crete</i>
Apr 2022	MAELSTROM & ML Workshop. <i>ECMWF (Online)</i>
Dec 2021	Atmospheric Composition Training. <i>ECMWF, EUMETSAT, ESA (Online)</i>
Dec 2021	Remote Sensing Workshop. <i>EUMETSAT (Online)</i>
Oct 2018	FOSSCOMM Organizer. <i>University of Crete</i>
Apr 2016	FOSSCOMM Participant. <i>University of Piraeus</i>

WORK EXPERIENCE

Dec 2022– Oct 2024	R&D Technician & Project Manager , <i>CommonsLab Makerspace, Heraklion, Greece</i> . Proposal writing (multiple awarded, including two large scale projects), Microelectronics, MCSA Staff Exchange.
Jul-Oct 2022	Erasmus+ Intern , <i>Institute of Environmental Physics, Bremen, Germany</i>
May-Sep 2018	Intern , <i>CommonsLab Makerspace, Heraklion, Greece</i>
Jun 2016	Receptionist & IT Services , <i>Stylianios Hostel Rooms, Kissamos, Greece</i>
2015-2022	Private Tutor , <i>Self-employed</i> . Math and Physics, all school levels
Jun 2013	Secretary & IT Services , <i>Rasint Amenty Dental Office, Kissamos, Crete</i>

AWARDS

Jul 2018	TAPAS SDI Community Challenge Finalist, CKI 2018, <i>Friedrich-Alexander-Universität</i> .
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SKILLS

Languages	Greek (native), Kurdish (mother tongue), English (C2)
Programming	Python, TeX, Unix/Linux environments, SQL, MATLAB, R, HTML
Scientific tools	Git, RStudio, DuckDB, Matlab, SNAP (ESA), C3S, CAMS, CAD, LabView, Autodesk, Google Earth Engine
Media tools	Audio/Video/Image Processing, GIMP, Kdenlive, Ableton, MPC, Blender, Audacity
Organizational	Conference and event organization, project management, exhibition events
Music	Classical guitar, electric bass, drums, keyboard

VOLUNTEERING & ACTIVITIES

IASEAI	Member (International Association for Safe and Ethical AI)
toLABaki Hackerspace	Member, Heraklion campus
RASTAPANK Radio	Member, Radio Show Host, Open-Source radio, Heraklion campus
Young Pirates of Europe	Board Member, 2019-2020, Brussels, Belgium
EURODIG Youth School	Participant, 2019, The Hague, Netherlands
SEEDIG Summer School	Participant, 2019, Bucharest, Romania

REFERENCES

Dionissios T. Hristopoulos

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Technical University of Crete
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Vassilis Digalakis

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