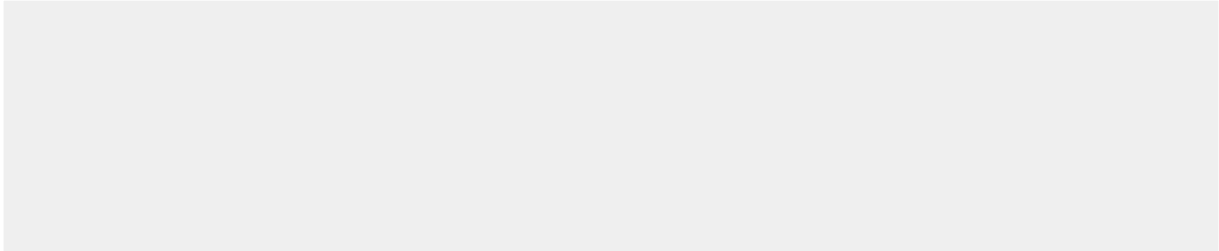# CHIVINTAR AMENTY – CURRICULUM VITAE

PERSONAL DETAILS

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

SPECIALIZED TRAINING

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

WORK EXPERIENCE

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

AWARDS

Jul 2018	TAPAS SDI Community Challenge Finalist, CKI 2018, *Friedrich-Alexander-Universität.*

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. Hristopulos
Professor, School of Electrical Engineering and Computer Engineering
Technical University of Crete
Tel: ++30 28210 37688
E-mail: dchristopoulos@ece.tuc.gr

Vassilis Digalakis
Professor, School of Electrical and Computer Engineering
Technical University of Crete
Tel: ++30 28210 37226
E-mail: vdigalakis@tuc.gr