DAVID RICO MENÉNDEZ

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BASIC EDUCATION

Bachelor's Degree in Telematics Engineering. Universidad Carlos III (Full English). This degree was chosen as the best of his class in Spain on the "El Mundo ranking 2018". Average grade: 7.20
Bachelor's degree in Computer Science Engineering. Universidad Carlos III. (simultaneous studies (Full English). Computer Science Engineering of the UC3M is among the 150 first in the world according to the Academic Ranking of World Universities / Shanghai Ranking. Average grade: 7.33
Both degrees are accredited EUR-ACEO. UC3M is the first Spanish university and 22nd in the world in the QS ranking of the best world universities younger than 50 years.
Master's degree in Information Systems. Universidad Rey Juan Carlos. Average grade: 9.07

WORKING EXPERIENCE AND STAGES

PhD Researcher. **Telematics Department of the Universidad Carlos III**
September 2023 / Present. Madrid (Spain)

Design, develop, and test Time-Sensitive Networking (TSN) solutions for European Projects, Predict-6G and Hexa-X-II.
Contributed to Predict-6G architecture, focusing on designing and deploying a DetNet multidomain 6G implementation enabling 3GPP, Wi-Fi and Ethernet domains.
Designed and developed predictive tasks for network performance.
Created OpenAPI specifications for inter-domain management services.
Utilized Amarisoft tools to extract high volume datasets for training over 3GPP gNB and core DTs

Associate Investigator. **IMDEA Networks**
February 2023 / July 2023. Madrid (Spain)

Developed an open-source TSN Bridge solution implementing TSN 802.1Q standards, focused on low-latency and advanced network processing technologies.
Studied and deployed OpenAirInterface and O-RAN technologies.

Technical specialist. **Telematics Department of the Universidad Carlos III**
June 2020 / March 2022. Madrid (Spain)

High scale data gathering and analysis project, using reverse engineering techniques over Facebook Marketing algorithms. Development of automated web tools and advanced web scrapping.

Working Student. **INFINEON TECHNOLOGIES, AG.**
July 2019 / September 2019. Munich (Germany)

Developing a TCP based communication protocol for Short Range Low Power Wireless Devices (IoT), applying power harvesting and retrieval technologies.

Apprentice in programming and development of filtering and web tracking methods. **NINJAMAILS**
2017 / 2018. Madrid (Spain)

Development of Search Algorithms and contact filtering.
Design of web spiders and process automation.

App Inventor & Python Mentor. **CODER DOJO** (International Association with no lucrative purpose) 2014 / 2018. Media Lab Prado. Madrid. Madrid (Spain)

Design and teaching weekly classes of 2:30 to children without resources. Creation of mobile applications. Python low and half level. Preparation of contents and pedagogy of classes.

Apprentice **PC-Box**
2012 / 2017. Alcalá de Henares - Madrid (Spain)
Learning to assemble and disassemble computers. Concepts of computer engineering applied in the field of technical assistance and resolution of incidents.

SOFTWARE	*Python, HTML, Java, C, Assembly Language, Sony Vegas, Camtasia, Log Me In, Blogger, Android, IOS, Android Native Language, R, MATLAB, App Inventor, Office, Prezi, SQL, XML, XPL, CUP, JLex, Q&A tools (Cucumber, Selenium), C++*

LANGUAGES	**Spanish** **English** **French** **German**	Mother tongue Advanced. University degree studies in full English. Basic knowledge (A2) Basic knowledge (A2)

GRANTS

Eureka Grant– 2017 to 2023 **–** Complete studies grant for the 2nd Degree.
International Mobility – 2020/21. Cancelled due to Covid19 Lockdown – Queensland University of Technology (Australia)
ERASMUS – August 2019 / February 2020–at Technical University of Darmstadt (Germany)
MEC Grant –2015 to 2019 – Full grant Telematics Engineering
Fundación Calasanz Grant – 2015 to 2017 – Bachelor grant
Comenius Grant: Greece – 2013, **Turkey –** 2015

OTHER EDUCATION

Artificial Intelligence Summer Camp (Politechnika Gdanska, Poland) (BEST, Gdansk (Poland) June 2018) (contents: AI, machine learning, genetic algorithms, artificial neuron sites based on Python & MATLAB. (34 learning hours)

Starters Bootcamp (EEIE — 2017) The European Institute for Entrepreneurship. Startup creation. (96 learning hours)

Google Native Language (Google Udacity)

Videogames and Social (Universidad de Wisconsin — Madison (Coursera) (MOOCs — 2015/16)

Ciber Camp (2014) Organized by INCYBE (Mineco Gob) 8 hours x 2 days (5, 6 y7 of December, Madrid)

OTHER INFO

• Artificial Intelligence Network Association member
•Black belt Judo. Referee by the Judo Spanish Federation.
•Student representative 2018/19, 2019/20, 2021/2022 (Carlos III University Madrid)
•Member of Best Student Association (Carlos III University Madrid). Organization of LEoE (Local Event on Education). Co-organizer of EBEC, the competition of Engineering at the territorial level held by the University.

•Member of Scout Group (2012/present)

•Scholarship for participation in educational enrichment program for PEAC for students with high IQ at www.educa2.madrid.org