

CARLOS VILLA SÁNCHEZ

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EXPERIENCE

Main Programmer and Co-owner

Presup project

February 2019 – April 2020 Madrid

In this project, we have developed a desktop application for the main operating systems that helps translators in the generation of budgets, analysing documents prior to translation. Project developed in Python.

Assistant Researcher Internship in Digitization Processes

Universidad Politécnica de Madrid

September 2018 – July 2019 ETSIT, Madrid

Member of the "Digital Integration Group" (GID) of the ETSIT, UPM. In this team, we aimed to carry out a digitization of the university, centralizing the various applications used by students, teachers and staff in three portals for each type of member and, also, developing and maintain new web applications.

External Scholarship in Cybersecurity

Accenture Security

February 2018 – July 2018 La Finca Bussiness Park, Madrid

Member of the security team inside a project for an e-commerce.

EDUCATION

Master in Telecommunication Engineering

École Polytechnique Fédérale de Lausanne, Universidad Politécnica de Madrid

September 2018 – Ongoing EPFL, Lausanne; ETSIT, Madrid

Two years master. First one in the UPM, Madrid; second one in EPFL, Lausanne.

Bachelor of Engineering in Telecommunication Technologies and Services

Universidad Politécnica de Madrid

September 2014 – June 2018 ETSIT, Madrid

Four years bachelor.

TECHNOLOGIES

Python JavaScript Linux Go Java C Networking
Computer and Network Security Single Sing-on TCP/IP Docker
CAS Protocol Blockchain SQL NoSQL Machine Learning
Advanced cryptography Bash Scrum Git Software security

CERTIFICATIONS

TOEFL iBT: Score 111/120 (Dic 2018)

PROJECTS

Security analysis of chrome extensions distribution

EPFL (Master thesis)

February 2020 – August 2020

Improving and benchmarking the PriFi network

EPFL

Sept 2019 – January 2019

Simulation of a Decentralized Network of Autonomous Cars

EPFL

Sept 2019 – January 2019

ETSIT Portal Web Infrastructure

Universidad Politécnica de Madrid

Sept 2018 – June 2019

Web Platform for Managing University Projectors

Universidad Politécnica de Madrid

January 2018 – June 2018

Preferences and consequences of diets. Data analysis

EPFL

Sept 2019 – January 2019

CONTESTS

Reto Carrefour (2nd price)

Carrefour

Nov 2018

To provide solution for a real problem in the Carrefour's innovation department.

LANGUAGES

Spanish

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English

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June 2020