



Aina Palacios

TELECOMMUNICATIONS ENGINEER

I was born in Avinyó, Barcelona, on January 26, 1997. I live in the city of Barcelona and I am part of a festival organization, photographer and web developer of Telecoresca. Also, I am a member of the Consell Educatiu Municipal at Avinyó.

Nowadays, I am looking for new challenges in my life. I like to be in state-of-art and try to get new solutions for today problems using my knowledge. I would love to work with image and video processing or machine learning solutions. Also, I am very curious about 3D and virtual reality. I learned a lot about Frontend and I am passionate about it. Furthermore, I enjoy programming new languages.

CONTACT



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EDUCATION

Sep 19 - May 21

Master's degree in Advanced Telecommunications Technologies

UPC-ETSETB, Barcelona

Deep Learning for Multimedia Processing

Sep 15 - Jul 19

Telecommunications engineering

UPC-ETSETB, Barcelona

- Mention in image and sound processing
- Machine Learning: Advanced SVM methodologies, unsupervised techniques, k-NN and decision trees and advanced deep learning.
- Knowledge of biometrics and basic cybersecurity.

PROFESIONAL EXPERIENCE

Jun 21 - Present

Eurecat

Education department

Moodle and machine learning developer.

IT Academy - Barcelona Activa

VueJS Mentoring

Oct 20 - May 21

Everis

Frontend R&D with Figma and React

Jan 19 - May 21

EUROfusion Scholarship

Image processing using C++ and Python

Developing a project to detect anomalies inside a nuclear fusion reactor using CNNs.

Oct 18 - Jun 19

HP 3D R&D

Project using JS with MVC design and OOP

Jul 18 - Sep 18

ASM Web Services

Junior Programmer with Vuejs

LANGUAGES

Catalan: Native

Spanish: Native

English: Medium-high

DIGITAL COMPETENCE

Matlab C C++ C++

Python Java HTML Vuejs

JavaScript Magento 2

Django Angular.js Android

Figma React PHP MySQL

Python

Computer vision, machine learning and deep learning. Using Pytorch, OpenMM Lab and OpenCV libraries.

VueJS

SPA, Vue Router, Vuex and Nuxt.js.

Matlab

Machine learning and computer vision.

Java

Projects in OOP and software architecture.

JavaScript

Projects in OOP and model-view-controller.

EUROfusion

From January 2019 until May 2021, I was working in the Group of Image and Video Processing at the UPC in collaboration with the Institute of Plasma Physics to develop code for image and video processing for a new fusion nuclear reactor. Renewable energies are the future, and the study of those is already in research and development. Fusion reactors can give way to a new world inside nuclear energy, very different to the current one. I developed a detector and classifier using CNNs to find anomalies with the aim of improving reactor performance.

Telecogresca

Telecogresca is a non-profit organization of more than 40 years. Since 2019 I support the web and IT section. Most of the tasks consist in to keep updated the websites used. We have some of them in Django, a python framework, and some of them in AngularJS. We also have a project to migrate AngularJS to Vuejs. We also organize 4 events, one of them being the largest university festival in Spain.

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