

# Andrés Navarro

Data Scientist & Software Engineer  
Self Learner & Tech enthusiast

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## EXPERIENCE

### ML ENGINEER LEAD | SAETA UC3M 2022 – Present

HARD SKILLS → Python, Django, Jenkins, TensorFlow, OpenCV, AWS, Docker

SOFT SKILLS → Leadership, Teamwork, Communication, Public Speaking

- Developed CV models for target detection (CNN and AWS SageMaker).
- Built ML pipelines with dataset augmentation.
- Led the ML department with 4 people in charge.
- Created server / client service to make inference on images.
- Talked to businesses to acquire funding and promote the assoc.

### SOFTWARE DEVELOPER & FOUNDER | CLUSTER CODE 2018 – 2021

HARD SKILLS → React, Linux & DB Admin, Android Studio, Backend, Java, GCP

SOFT SKILLS → Self Learning, Problem Solving, Negotiation, Collaboration

- Run an agency to develop software for small businesses.
- Created Android, iOS, and Web apps; and server administration.
- Managed a team of 4 developers with more than 30 clients.

### SOFTWARE TEAM LEAD | FIRST TEAM 302 (MICHIGAN, USA) 2018 – 2019

HARD SKILLS → C & C++, System & PCB Design, Linux servers, Git

SOFT SKILLS → Leadership, Teamwork, Troubleshooting, Critical Thinking

- Led the SW department with 10 in charge.
- Developed and designed the systems.
- State Champions in the First Competition 2019.

### MICROSOLDERING TECHNICIAN | FREELANCE 2019 – 2023

HARD SKILLS → Microsoldering, Electronics, PCB Repair, Disassembly

SOFT SKILLS → Entrepreneurship, Customer Service, Proactive, Self Taught

- Motherboard repair service specialised in microsoldering.
- Fixed more than 1000 devices from clients all around Spain.
- Self taught repair from PCBs to drones.

## PROJECTS

### MACHINE LEARNING | DATA SCIENCE & ENGINEERING

SKILLS → Reinforcement Learning, Scrapy, Stable Diffusion, Solidity, Django

- Breaking news image generation bot with Stable Diffusion.
- Scrapy bot to automate data ingestion of Talentoteca.
- RL agent to train a Pacman.
- Data Exploration with R.

### SOFTWARE DEVELOPMENT | ANDROID, iOS, WEB

SKILLS → Android Studio, Java, Kotlin, Swift, React, Server

- Android apps for more than 15 businesses.
- Website for Zoos, Shops, etc.
- Server administration and Linux enthusiast.

GitHub: github.com/andres-nav

## EDUCATION

### DUAL BACHELOR IN DATA SCIENCE AND ENGINEERING AND TELECOMMUNICATION TECHNOLOGIES ENGINEERING 2020 - 2025

6 Honors | Top of the class.

1 promotion of the degree (New).

Full degree in english.

Awarded the Excellence Student Grant.

### GOOGLE ML BOOTCAMP 2022

Study of NN, CNN, and RNN.

Use of TensorFlow for NN building.

Selected from more than 2000 applications.

## SKILLS

### PROGRAMMING

Python • C • Java • R • Kotlin • SQL • NoSQL  
• HTML5 • Bash • Solidity • JS • TypeScript

### TOOLS & PLATFORMS

Docker • Kubernetes • Android Studio • React  
• Django & Flask • AWS • GCP • Scrapy • Git  
• Linux • PostgreSQL • MariaDB • Neo4J

### ML & DATA SCIENCE

TensorFlow • Jenkins • OpenCV • PyTorch

### SOFT SKILLS

Self Learner • Problem Solving • Critical Thinking • Proactive • Tech Passionate • Teamwork • Agile

## CERTIFICATIONS

### TENSORFLOW DEVELOPER CERTIFICATE | GOOGLE 2022

### DEEP LEARNING SPECIALIZATION | DEEPLARNING.AI 2022

### NOVA MEMBER Top 3% in software niche.

## LANGUAGES

SPANISH Native

ENGLISH Bilingual (C1)

GERMAN Intermediate (B1)