CARLA MORRAL MARTIN

27th Jun 1999 | @ carla.morral@gmail.com | +34 672 400 417 | Barcelona, Spain | in LinkedIn | Github

EXPERIENCE

Software Development Engineer Intern
Amazon

June 2021 – September 2021 | Madrid, Spain

- Designed and integrated a workflow to generate themes for the Amazon books. Created an optimal color palette to fit the book's theme using quantization algorithms and machine learning. Also built a Video QA system PoC and proved that Video QA can be automated, by which a lot of money could be saved.
- Tech stack: Python, Typescript, Java, AWS, AWS CDK, OpenCV.

Software Engineer Intern
Twilio

July 2020 – September 2020 | Madrid, Spain

- Designed, developed, tested and deployed an end to end internal chatbot application that provides insights and troubleshooting into Twilio's media recordings data. This tool is helping the Twilio TSEs ease their work when dealing with customers' issues.
- Tech stack: Python, Flask, Bash, Docker, and AWS.

Founder and Lead
Developer Student Club Universitat de Barcelona

August 2020 – June 2021 | Universitat de Barcelona

- Organized technical workshops and events for the student community

Computer Vision Research Assistant
University of Barcelona and CVC, HuPBA Group

July 2019 – March 2020 | Barcelona, Spain

- Helped to organize 2020 Looking at People Challenge FG Identity-preserved human detection, a challenge for people to detect people in images and videos.
- Helped in the development of a system that detects people in images and videos based on their body parts.
- Published my first scientific paper at the IEEE CVPR conference.
- Tech stack: Python, OpenCV.

PROJECTS

My projects can be seen on **Github** and some of them on my **personal website**.

UBFLIX, Software Design project

- The UBLIX project is a Java platform in which users are able to watch series, grade them and have lists such as continue watching or favourites.
- Tech stack: Java, SQL and Concordion

MedServer Website (frontend)

- Built a responsive website to purchase pharmacy products. Deployed **here**.
- Tech stack: Vue (HTML, CSS and JavaScript)

EVENTS & ACHIEVEMENTS

- Received a scholarship for each of the courses that I completed with honours.
- Selected to participate at Facebook Women@ Hack 2021.
- Selected to participate at Google's 2021 Inside Look program.
- Invited to participate at Google's 2020 GetAhead program.
- Selected to participate at the 2020 Bloomberg Women in Technology program.

PUBLICATIONS

- Clapés, A., Jacques-Junior, J., Morral, C., Escalera, S. ChaLearn lap 2020: Challenge on Identity-preserved Human Detection: Dataset and Results.
- Morral, C. How to Build a WhatsApp Translator with Twilio, Python, Flask and Microsoft Azure

PROFESSIONAL SKILLS

Skill	Level
C/C++, Python, Java	●●●●●
HTML, CSS, JavaScript, Typescript	●●●●○
React, Vue	●●●●○
Bash	●●●●○
SQL	●●●●○
AWS, Azure	●●●○○
Git	●●●●●

STRENGTHS

Thirteen courses completed with honours

- **Advanced Algorithms**
- **Advanced Operating Systems**
- **Artificial Intelligence**
- **Computer Graphics**
- **Computer Networks**
- **Electronics**
- **Embedded Systems Programming**
- **Human-Computer interaction**
- **Integrated Software Project**
- **Introduction to Computer Architecture**
- **Operative Systems**
- **Software Design**
- **Statistics**

EDUCATION

BSc. in Computer Science
Universitat de Barcelona

Sept 2017 – Jul 2022

BSc. in Mathematics
Universitat de Barcelona

Sept 2017 – Jul 2022

Msc. in Computer Science
TBD

Sept 2022 – Jul 2023/24

LANGUAGES

Language	Level
Spanish	●●●●●
Catalan	●●●●●
English	●●●●○

CERTIFICATES

- Certificate in Advanced English (C1), May 2017
- TOEFL (89), June 2021