Arancha Carpintero Guardiola

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EDUCATION

BSc Computer Science - Oxford Brookes University   Sept. 2024 - June 2025

Dissertation: Development of a web application that serves as a community-based volunteers management platform in disaster events.

Invited to the Oxford Brookes 2025 Tech Show.

Relevant Modules: Software Egineering, Advanced Programming (Java and C), and Cloud Computing and IoT (GCP and Arduino).

P.D. Computing and AI - MSMK University of Madrid   Sept. 2022 - June 2024

Relevant Modules: Machine Learning (R), Software Development, and Programming (Python).

WORK EXPERIENCE

Junior Full Stack Software Developer - Changetheblock   April 2023 - Sept. 2024

- Built and deployed custom web applications using front-end and back-end technologies (Node.js, TypeScript, Next.js, Express.js). A key project included the development of Changetheblock's website: [https://changetheblock.com/]
- Created and maintained technical documentation and databases for developed applications.
- Collaborated with a team of developers working with Agile methodology and utilizing Git and pipelines for version control and code management.

Web Developer - Sirococinas SL   April 2024 - Sept. 2024

- Built and deployed a custom web application for an external client using front-end and some back-end technologies. [Available at: https://slsirococinas.com]
- Worked with Agile methodology. Held meetings with the client and proposed a project schedule and improvements to the design.

Event / Summer camp coordinator - Grupo Natuaventura   June 2021 - June 2025

- Coordinated and collaborated effectively with other counselors and professionals to ensure the success of scheduled activities, fostering a dynamic and cooperative work environment.
- Planned, and executed recreational and educational activities adapted to different age ranges.
- Identified and resolved problems quickly and efficiently during activities.

EXTRACURRICULAR ACTIVITIES

Oxford Brookes Racing - Formula Student   Oct. 2024 - May 2025

- Member of Oxford Brookes University's Formula Student team in the Software group
- Development of an upgraded Product Lifecycle Management (PLM) system for team-wide adoption.
- Head of Front-End in the project, implementing user interface using React.JS.

SKILLS

- **Web Development**: React.js, Next.js, Express.js, JavaScript, TypeScript, Tailwind CSS
- **Programming Languages**: Python, R, C++
- **Cloud and DevOps**: Google Cloud Platform (GCP), Docker, Git