Arancha Carpintero Guardiola

+44 (0) 7887 285623 | carpinteroaranchag@gmail.com
LinkedIn: https://www.linkedin.com/in/arancha-carpintero-guardiola/
GitHub: https://github.com/Araaancg | Portfolio: https://www.aranchacarpintero.com/en

EDUCATION

Oxford Brookes University, Oxford, United Kingdom   September 2024 - June 2025
BSc Computer Science
- <u>Dissertation</u>: Built volunteer management platform with 6 core features for disaster events using TypeScript, React, Node.js, Express.js, and MongoDB. **Invited to the Oxford Brookes 2025 Tech Show**
- Relevant final year modules: Foundations of Data Analytics, Advance Object Oriented Programming and Cloud Computing and IoT
- Contributed to the <u>Formula Student</u> team, running the front-end team developing the in-house PLM solution

MSMK University, Madrid, Spain   September 2022 - June 2024
PD Applied Computing and Artificial Intelligence
- <u>Final Year Project</u>: Data analysis data from different datasets to optimise the AED positions around Madrid
- Relevant final year modules: Advanced Programming , Software Development, Big Data Analysis and Visualisation, Machine Learning, Database Design and Development, Website Design and Development.
- Participated in the University's Magazine, publishing an article: [Turing's Test and its use in the Internet](#)

WORK EXPERIENCE

Private Programming Tutor, Remote   January 2026 – Present
- Teaching Python fundamentals including algorithms and data-structures to a first-year maths undergraduate, creating tailored exercises and materials

SL Sirococinas, Web Developer, Remote   April 2024 – November 2024
- Independently delivered 8-page responsive website over 8-month lifecycle using React, TypeScript, and modern full-stack technologies
- Conducted 10+ client meetings to collect business requirements and create the technical specifications
- Delivered project on schedule achieving 100% of agreed deliverables

Changetheblock, Junior Full Stack Developer, Madrid, Spain   April 2023 – September 2024
- Co-led end-to-end development of 3 internal applications, from requirements to deployment, using TypeScript, React, Node.js, MongoDB, and MySQL
- Contributed to 4 client-facing web applications over 18 months, collaborating cross-functionally in a 3-person team through pair programming and code reviews
- Automated team workflows with Python tools, achieving a 97% reduction in task completion time, cutting a day-long task to just 20 minutes
- Lead the front-end team and documented a EU-grant funded project: managed client communications, delivered on schedule with full documentation, and secured EU approval

CERTIFICATES AND QUALIFICATIONS

Official Microsoft Master in Programming with Python   April 2022
- Mastered from basic foundation to advanced programming the Python language, including Flask and Data Analysis

SKILLS1

Programming: JavaScript, Python, HTML/CSS, SQL, R, Java and C++
Frontend: React, Next.js, Tailwind CSS, responsive design
Backend: Node.js, Express.js, RESTful APIs, MongoDB, MySQL
Tools: Git, GCP, AWS (learning), CI/CD, Agile/Scrum