Ana Clara Serinet Monteiro

[Personal Portfolio Website](#)

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Education

Bachelor of Science in Computer Science - *King's College London - First Class Honours* **-** London, UK. September 2024 - August 2027

> **Societies:** Enactus, Finance and Business Union, Women in Computer Science, Women for the Future

> **Relevant modules:** Data Structures, Computer Systems, Database Systems, Software Engineering

Foundation Year in Engineering and Computer Technology – Tecnológico de Monterrey, MX - *Aug 2023 – Jun 2024*

> GPA: 92/100 (3.7/4.0)

Skills

Programming Languages & Frameworks: Java, Python, C++, JavaScript, React, Node.js, Flask, HTML, CSS, SQL

Software Engineering: Full-stack development, REST APIs, Microservices, Object-Oriented Programming, Agile (SCRUM), Test-driven development, Code Reviews, Unit Testing, Git/GitHub, Agile project management, Technical Documentation

Data & Cloud: Big Data basics, AWS (Textract, Deployment), MATLAB, Machine Learning (scikit-learn, pandas), Spring Cloud familiarity

Languages: English (fluent), Spanish (native), Portuguese (native), French (conversational)

Experience and Volunteering

Software Development Intern at [Positivo S+](#) | (June - August 2025) - *JavaScript, HTML, CSS, Bootstrap*

> Worked in an Agile Scrum team to build and deliver features for 3 client-facing digital products.

> Enhanced system scalability and contributed to production-ready deployments.

> Delivered technical documentation, conducted code reviews, and collaborated with senior engineers to align with stakeholders.

Programming mentor volunteer at [Baytree Center](#) | (Oct 2024 - Present)

> Mentored and guided 4 women in programming and math fundamentals, preparing them for tech careers.

Projects

[French AI teacher](#)- *React, JavaScript, HTML/CSS (Deployed on Render)*

> Built an AI-driven conversational app to help users practice French with real-time grammar and pronunciation feedback.

> Integrated speech recognition and audio synthesis to create an interactive learning experience.

[Holly Stick](#) - Full-Stack. Predictive Machine Learning Website (Hackathon) - *Python, HTML/CSS, Flask*

> Developed a predictive machine learning web app to evaluate business outcomes based on user priorities.

> Optimized microservice workflows, improving scalability and trust metrics by 25%.

[KiddyByte](#) - 2nd place hackathon winner (Tech4Good, Enactus) - *HTML/CSS, JavaScript, Python*

> Developed an AI-powered website for children in Tunisia affected by teacher shortages with 5+ personalized learning plans.

> Integrated facial recognition to dynamically adjust lessons based on children's emotional responses.

[VerdeVivo](#)- 1st place winner (Hackathon) - *Low-Code Tools*

> Led the development of an eco-conscious app that empowered 25+ users to sustainably adopt greener habits through interactive

> tools that promoted user education and community-driven solutions.

Awards and Achievements

🏆 **Tech4Good Hackathon – 2nd Place** *(KiddyByte, Enactus)*
🏆 **Technovation 2024 – 1st Place** *(Verde Vivo, Mobile App for Environmental Change)*