SOFIA YANEZ PERTEAGUDO

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London, UK

I'm a 3D Artist & Architectural Designer who merges technology with culture to create innovative design solutions. I hold a BA and a Master's in Architecture, specialising in Digital Environment Design. My work focuses on cultural and environmental preservation, using spatial technology to address social issues. Through game engines and 3D modelling, I craft powerful visual narratives and digital spaces that serve as both design tools and visualisations.

EDUCATION

2021-2023 **MA Architecture at Royal College of Art,** London
Specialised in Digital Environments Design.
-Dissertation: *CryptoBabylon*, about *Decentralisation and Ownership.*
- Essay: *Galician Ugliness: Un-drawn Interventions in the Landscape.*

-Projects:
·**The River Forgetfulness, Decentralising the Galician Landscape**, RCA, London
-Designed a full 3D environment in Unreal Engine 5, modelling all assets and materials.
-Developed Blueprints, UI/UX interactions, and integrated Photogrammetry.
-Web-based deployment using Three.js, JavaScript and GitHub.
-Live project: https://artkhe.github.io/riverforgetfulness/

·**Alborada, A Post-Industrial Galician Landscape**, RCA, London
-Designed community-driven spatial and environmental visualizations.
-Used Blender, 3D sculpting, QGIS, Photoshop & Illustrator

·**Green Desert,** RCA, London
-Designed a full 3D environment in Unreal Engine 5, modelling foliage and landscape megamaterials.

·**Plane Pollution: A workshop together with Back to Earth,** The Albany, London
-Curated and designed the workshop in collaboration with the **Serpentine Gallery** as part of the Metabolic Selves Studio Group.

2017-2020 **BA(Hons) Architecture at University of Westminster,** London
-Dissertation: *The Implications of the Change in Meaning of Phenomenology.*

SKILLS

Software	Analog	Languages
Unreal Engine 5	Photogrammetry	Spanish Native
Rhinoceros	Technical hand	Galician Native
Blender	drawing	English
QGIS	Model Making	Professional
AutoCAD	Casting	French Basic
Adobe Suite	Laser cut	Portuguese
GitHub	3D Print + CNC	Basic
(HTML,JS,CSS)		
Three.js, Mapbox		

Please click on the hyperlinks for more information

EXPERIENCE

02.
2024-Pres **Technical Artist & Urban Designer**
at **Cross Works,** London, UK
-Designed immersive digital experiences for masterplan projects in Unreal Engine 5 (VR & Desktop).
-Developed real-time Digital Twins integrating GIS data and 3D visualisation.
-Created custom 3D assets, materials, and textures for in-house R&D projects.
-Worked on an AR mobile app, exploring interactive 3D experiences.

05.
2021-09.2022 **3D Artist & Architectural Designer (RIBA Part 1)**
at **JRL,** London, UK
-Specialized in 3D modelling of construction details and 2D technical drawings for *One Thames City*, Vauxhall project.
-Created highly detailed 3D representations to support complex on-site construction solutions.
-Coordinated international teams, improving remote workflow and problem-solving.

01.
2020-02 2020 **3D Artist & Architectural Designer**
at **F3 Architects,** London,UK
-Focused on 3D modeling and visualization for the Tottenham Hotspur Training Centre.
-Modelled and rendered interior environments for stadium hospitality areas.
-Used Rhino, Blender and Unreal Engine to develop visuals.

AWARDS & PUBLICATIONS

2025 **Blog Fundacion Arquia**
Digital Publication, Spain

2023 **Newspaper Article at La Opinión**
Regional branch of *El País*, A Coruña, Spain

2023 **Internal nomination to RIBA Silver Medal 2023**
Royal College of Art, London, UK

2023 **RCA Nomination to OLYPMARTS**
Athens, Greece

2020-2019 **End-of-Year Catalogues: OPEN2019, OPEN2020**
University of Westminster, London, UK

2019 **Manolo Vilariño Exhibition Curation**
Collab. Alfredo Gonzalez, Museum of Fine Arts A Coruña

2015 **2nd Prize in National Maths and Statistics Championship**
Madrid, Spain

REFERENCES

Prof. Margarida Waco, margarida.waco@rca.ac.uk
Tutor, Architectural Design Studio, Royal College of Art
Prof. Imani Jacqueline Brown, imani.j.brown@rca.ac.uk
Associate Lecturer, Royal College of Art. Research Fellow, Forensic Architecture. Phd Candidate.
Matthew Schalcher, matthew@cross-works.co.uk
Senior Associate at CrossWorks.