FÁTIMA GONZÁLEZ GONZÁLEZ

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EXPERIENCE

CAROLA CYCLE (carolacycle.com)   **2023**
Co-founder, developer and designer   London, UK
   AI-powered menstrual tracker app and data collection platform to aid research towards women's health.
- Analysed market and competitors to define the business model. Defined branding and marketing plan.
- Designed website and worked on the development of optimal data structure and analysis pipeline.

MONADAS BY F (E-commerce)   **2020 - 2023**
Founder, designer and manager   London, UK
- Worked on business scalability: expanded product portfolio and opened an online store.
- Delivered branding and bespoke graphic design services (behance.net/fatimaglezglez).
- Executed marketing strategies to boost sells across multiple online platforms.

ROSLIN INSTITUTE   **2021**
MSc thesis: *Machine learning for large-scale translation-wide association studies*   Edinburgh, UK
- Worked with a high-performance computing cluster (Eddie).
- Adapted the PredictDB pipeline to get statistically significant models to impute translation efficiency data.
- Proof-of-principle project funded by the **UK Biotechnology and Biological Sciences Research Council.**

SPANISH NATIONAL CENTRE OF BIOTECHNOLOGY   **2020**
BSc Hons thesis: *Computational approaches to the origin and evolution of viroids*   Madrid, Spain
- Programmed evolution simulations to predict the three-dimensional structure of viroid-like sequences.
- Presented results to 4 professors in the field and scored in the **top 10%** due to originality and high quality of work.

SAINSBURY LABORATORY CAMBRIDGE UNIVERSITY   **2019**
Summer intern   Cambridge, UK
   Study of the genetic code to evaluate the stability of its genotype-phenotype networks.
- Used Python and the NetworkX package to perform network analysis in a 5-week time-constraint project.
- Prepared data visualisation and facilitated a successful discussion with a panel of 5 experts.
- Possibility of furthering the research for publication.

EL PORVENIR PRIMARY SCHOOL   **2019**
Scientific educator   Madrid, Spain
   Molecular biology workshop for 8-year-old children following the Montessori method and storytelling.
- Worked in a team of 4 and co-authored a report for EdArXiv.
- Created a questionnaire to evaluate its effectiveness. Obtained satisfactory responses from 75% of the 67 attendees.

EDUCATION

THE UNIVERSITY OF EDINBURGH   **2020 - 2021**
MSc in Systems and Synthetic Biology. Graduated with **Merit**   Edinburgh**,** UK
- <u>Key modules</u>: Bioinformatics Programming and System Management, Computational Cognitive Neuroscience, Information Processing in Biological Cells, Bio-business, Industry and Entrepreneurship in Biotechnology.
- <u>Societies</u>: Edinburgh Entrepreneurs, Women in Business, Spanish Society.

UNIVERSIDAD AUTÓNOMA DE MADRID   **2016 - 2020**
BSc Hons in Biochemistry. Grade: **7.98** out of 10 (UK **first-class** equivalent)   Madrid, Spain
- Recipient of **Excellence Scholarship** by the Comunidad de Madrid based on grades.
- Elected to be **student representative**. Worked with the faculty committee to improve the Biochemistry program.

IES SAN MATEO   **2014 - 2016**
Excellence Baccalaureate in Science. Grade: 9.41 out of 10 (A-level equivalent **Grade A***)   Madrid, Spain
- Accepted to Excellence Program funded by the Comunidad de Madrid for around 100 high-performance students.
- **Top 5 student** selected to attend Entrepreneurship, Leadership and Innovation Program.
- <u>Final project</u>: *'Propositional Logic and Hardy's Paradox'* (Quantum Mechanics). Featured in *Divulga-Madrid* blog.

SKILLS

Technical skills	**Python**, **R**, C, Bash, SQL, GitHub, **Microsoft Office (Word, Excel, PowerPoint)**, **Web Design**, Notion, LaTex, Canva, Adobe Creative Cloud (InDesign, Illustrator, Photoshop), **AI tools** (Dall·e II, Chat GPT).
Languages	**Spanish** (native), **English** (proficient), French (beginner).
Interests	Biotechnology, Innovation, Business, Artificial & Organoid Intelligence, Graphic Design, Philosophy.