

Matias Moragrega

Industrial Designer | Creative Technologist

London, United Kingdom | matias@keyquest.tech | +44 7760 852046

linkedin.com/in/matias-moragrega | keyquest.tech | behance.net/matiasms | github.com/keyquesttech

Summary

Industrial designer working at the point where physical products meet the technology that makes them. Experience across CMF, additive manufacturing and creative technology, with a track record of building what I design, from CAD to firmware to the machine itself. MA Design for Industry 5.0 at Central Saint Martins (Distinction), Autodesk Research Scholar 2026, exhibited at SaloneSatellite during Milan Design Week 2026.

Skills

Industrial design: CMF specification, design for manufacturing, rapid prototyping, mould making, packaging design, technical drawing

CAD and 3D: Fusion 360, Rhino, Grasshopper, SolidWorks, Blender, KeyShot, 3D printing (FFF), CNC milling, laser cutting

Creative technology: Arduino, C++, Processing, p5.js, Python, custom PCB design (Eagle), firmware (QMK, RepRapFirmware, Klipper), physical computing, IoT prototyping

Digital design: Figma, Adobe Illustrator, UI/UX for physical products, digital signage systems

Languages: Spanish (native), English (full professional)

Experience

Creative Technologist & Product Designer | Distrito Sur

Sep 2024 – Feb 2025

Remote (contract)

- Designed and built a digital signage hardware framework to run media content across building lobbies, covering both the hardware and the software driving it.
- Took physical products from concept to manufacture: wayfinding signage, corporate awards and custom merchandise, including CMF specification.
- Managed production with overseas vendors in China and localised manufacturing to each client's region, simplifying logistics for custom physical goods.
- Product longevity and quality secured high-volume contract renewals.

UX/UI & Digital Designer | Distrito Sur

Aug 2023 – Sep 2024

Mexico City (hybrid)

- Designed graphic assets and interface layouts in Illustrator and Figma for interactive digital displays.
- Programmed and deployed digital signage interfaces across real estate portfolios through enterprise SaaS platforms.
- Worked with hardware teams to resolve UX/UI and playback errors, keeping the network stable and online.

Lead Product Designer | RtV6 (self-initiated start-up)

Jun 2023 – Aug 2023

Mexico City

- Designed and shipped a consumer 3D printing accessory end to end: CAD, technical drawings, manufacturing simulations and packaging.
- Ran a successful Indiegogo crowdfunding campaign, managing timelines, marketing and manufacturing to a strict budget; shipped to retail partners across the EU and US.
- The product ended in a commercial licence agreement to scale its market reach.

Lead Hardware Designer | KeyQuest Keyboards (self-initiated)

Jan 2023 – Jun 2023

Mexico City

- Designed and manufactured Enclave, a mechanical keyboard with a custom PCB and case, sold as a limited production run through a community auction.
- Wrote and maintained the project codebase and firmware (QMK), then released the full design as open source with production-ready manufacturing files.

Digital Manufacturing Technician | CENTRO diseño, cine y televisión

Mar 2022 – Jan 2023

Mexico City

- Ran the job queues for CNC milling, laser cutting and 3D printing, keeping machine up-time and output high.
- Handled maintenance, resolved machine errors and processed a successful RMA, reducing operational costs.

- Trained incoming staff and students on machine operation and workshop safety.

Selected Projects

FullCTRL, manually controlled 3D printer

2025 – 2026

- A CAD-free 3D printer with no slicer and no G-code: the machine automates temperature, flow and speed while the operator drives the shape by hand. Built on Duet3D hardware, RepRapFirmware and custom macros.
- Exhibited at SaloneSatellite, Milan Design Week 2026; awarded an Autodesk Research Scholarship.

Scentient, IoT scent diffuser

2025

- IoT smart scent diffuser designed with the Central Saint Martins MBA: physical product, UI/UX app architecture and business models for market entry.

Enclave, open-source mechanical keyboard

2023

- Designed, programmed and manufactured end to end; released open source at github.com/keyquesttech/Enclave.

Education

MA Design for Industry 5.0, Distinction

Sep 2024 – Jun 2026

Central Saint Martins, University of the Arts London, London

BA Industrial, Product and Furniture Design

2019 – 2023

CENTRO diseño, cine y televisión, Mexico City

Awards & Exhibitions

- Autodesk Research Scholar, Autodesk, 2026.
- Exhibitor, SaloneSatellite, Milan Design Week, 2026.
- Exhibitor, UAL/CSM MA shows, London, 2026.