

Priyen K Morjaria

DESIGN ENGINEER · CNC & DIGITAL FABRICATION

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London, United Kingdom

FABRICATION & CNC	CNC Milling · 3D-Router Toolpathing · Laser Cutting · 3D Printing / Additive · Anodising & Finishing · Welding & NDT · Turning · Robotics · Machine Maintenance · Safety Documentation · Hand Tools
CAD / CAM	SolidWorks (+FEA) · Fusion 360 · G-Code · Rhino · KeyShot · Generative Design · Technical Drawing
MATERIALS	Metalwork · Plastics · Woodwork · Composites · Resin · Laminates
CREATIVE & SOFTWARE	Adobe Photoshop, InDesign & Illustrator · Python (Process Automation) · Java · Arduino & Electronics

EXPERIENCE — HARDWARE & MANUFACTURE

Design Engineer / Independent R&D — Self-directed + Stephenson Engineering 2022 — 2026

- Fabrication and materials R&D, including a proprietary process for CNC-controlled, gantry-driven CMYK printing on titanium.
- Industrial placement at Stephenson Engineering, a sub-contract steel facility: large-capacity CNC machining, coded welding, non-destructive examination and protective coatings on fabrications up to 35 tonnes.
- Built a bespoke underfloor storage system to meet an elderly client's accessibility needs, and optimised a client's financial-API data intake in Python, cutting project lead times by 35%.

Design Engineering Specialist & Technician — ICAH, Imperial College Advanced Hackspace 2018 — 2020

- Expanded workshop capacity by ~200% by devising a 3D-router toolpathing system, and built the mill's PC-connected CNC capability from scratch — establishing the full CAD-to-CAM-to-machine workflow.
- Accelerated 30+ academic and startup projects from ideation through prototyping to manufacture, and led R&D on a motorised emergency door barricade (+68% impact resistance, -42% deployment time across iterations).
- Upskilled 70+ members on CAD/CAM, design specification and plastic-manufacturing techniques to enable independent workshop use; achieved the highest stakeholder-satisfaction scores per cohort.
- Authored procedural and safety documents for manufacturing processes and workshop machinery; spearheaded work for six electromechanical manufacturing resources and produced a sterile metal-coating device built to strict biolab specifications.

Design Instructor — Imperial College Global Summer School Summer 2019

- Co-tutored 40+ students in manufacture, STEM, prototyping and Design Thinking, taking teams of five from ideation to a final pitch in a single week, earning consistently top student-satisfaction scores.

EXPERIENCE — SOFTWARE & DELIVERY

Full-Stack Engineer — Tech Returners 2025

- Developed and delivered an exhibition-curation Android app in Kotlin with a secure, fully documented backend API; built an accessible UI with pagination, filtering and sorting, completing the MVP within four weeks.

Logistics Design Engineer — GAUS (volunteer) 2021

- Owned end-to-end production of a modular inventory-management system for US food banks, cutting food waste by 10% in trials; the system digitised food-safety compliance and onboarded 15 on-site workers.

Data Management Engineer — First Property Asset Management 2017

- Restructured the company database with a bespoke file structure and an automated filing system for 40+ property folders, minimising property handover errors, and ran senior-stakeholder due-diligence research.

EDUCATION & AWARDS

MEng Design Engineering, 2:1 Hons — Imperial College London 2017 — 2022

- Produced five commercially viable consumer products, including the award-winning Retro Table Football and a soft robotic exoskeleton for stroke patients. Well-versed in product design, CAD/CAM, project management, user testing & research, robotics & electronics (incl. robotic arm motion planning), system design, optimisation and prototyping.

Full-Stack Java Software Development — Northcoders 2024 — 2025

- Java & Spring Boot, Android apps, REST APIs, SQL databases, Git, agile and test-driven development to production standards.

DESIRE Award · soft robotic exoskeleton for stroke patients — Imperial College London

National Young Designer of the Year, 2nd — The Design Museum