

Patrick Poss,

Designer-engineer building products from concept to launch.

Experience

POSS STUDIO LTD • Product Design & Engineering (Jun. '22 - Current)

REFUGEE RESOURCES LDN • AI-powered resource access for displaced communities

- Built in partnership with the Islington Centre for Refugees, featuring an AI trained on expert responses and a database of 149+ verified services

LAUNCHED [Refugee.london](#) (↗)

EARTH CONSTRUCTION & MINING • Building AI systems for the earthwork industry

- Built AI-native bid platform and Daily Job Report PWA with AI assistant for report generation and project data queries, deployed on \$40M+ projects

LAUNCHED [4ecm.com](#) (↗) / AI Report App: [Video](#) (↗) [Repo](#) (↗) / AI Bid Platform (NDA)

HALO HEALTH (INNOVATE UK BACKED STARTUP) Designing AI for diabetes management (WIP)

FRENSHIP BAND (1.2M+ SPOTIFY LISTENERS) Album Artwork + Merch Design (↗)

PINE GLASS (BIO-RESIN STARTUP) Sustainable alternative for luxury glass packaging (↗)

ARKTURA • Sr. Product Design Engineer (Mar. '19 - Jun. '22)

Leading architectural manufacturing and design for clients, such as *Tesla* and *Amazon*

- Developed 5+ next-gen architectural systems by leading cross-functional teams through market research, ideation, prototyping, and production
- Built computational design and fabrication tools using Grasshopper and Python, including image-to-perforation pattern generation for metal CNC

LAUNCHED [Vapor](#) (↗) / [SoftScreen](#) (↗) / [Arborsia](#) (↗) / [Case Slides](#) (↗)

COURTSIDE • Founding Team (Design + Product) (Dec. '21 - Dec. '25)

Building a beverage brand distributed across 150+ locations, from *Erewhon* to *7-Eleven*

LAUNCHED [Multiple Flavors](#) (↗) / [Case Slides](#) (↗)

JASON KOHARIK • Product Design & Fabrication (Oct. '18 - Mar. '19)

Handcrafting sculptural furniture and interiors for high-profile clients like *Katy Perry*

LAUNCHED [Califia Lighting](#) (↗) / [Firehouse Hotel](#) (↗) / [Case Slides](#) (↗)

PUFFCO • Product Design Engineer (May '18 - Oct. '18)

Developing the world's first portable and accessible e-rig for cannabis concentrate

LAUNCHED [Peak V1](#) (↗) / [Lucid Lighting Edition](#) (↗)

UNIV. OF SOUTHERN CAL. • K-12 STEM Instructor (Aug. '17 - May '18)

Built and taught a hands-on STEM curriculum for K-12 students

LUMI (YC '15) • UI/UX Design & Development (Intern) (May '16 - Aug. '16)

Built UI for a custom packaging design and checkout tool

hey@patrickposs.com

+44 7456 023 523

WEBSITE	patrickposs.com (↗)
MORE	github (↗) linkedin (↗)
APPS	DJ Claw (↗) DJ Claude (↗) AI agents live coding music together in the CLI & Web. Gemini Dreams (↗) A generative oracle that creates shared 3D dreamscapes. Voice Note (↗) Real-time voice analysis printed as a physical receipt.

In Public

Granola's Design Eng. Night #8 (↗)

Talk — lessons from recent agentic projects

6 Claudes Jam In A Launderette (↗)

Solo Show — the world's first agentic jam band playing live to a crowd in London

Education

MA/MSc. ('22 - '24)

Innovation Design Eng.

Imperial + Royal College of Art
[IF design award](#) for passive cooling project with ICL's Future Materials Lab

[MA/MSc. Project](#) (↗)

BSc. ('14 - '18)

Mechanical Eng. Design

Univ. of Southern California

Skills + Tools

CREATIVE DEVELOPMENT

- React · Next.js · Node.js · Python · Three.js · GLSL · Anthropic SDK · MCP · RAG · GSAP · Supabase

PHYSICAL COMPUTING

- Arduino · Raspberry Pi

3D & FABRICATION

- Blender · Unreal · Solidworks · Rhino · Grasshopper · Keyshot · 3D Printing · Metalwork · Woodwork · CNC

AI & GENERATIVE MEDIA

- Cursor · Claude Code · OpenClaw · Weave · ComfyUI · ElevenLabs

DESIGN & SYSTEMS

- Figma · Adobe CC · Miro

Recognition

Deezen Longlist: [Freelance Project](#) (↗)

IF Design Award: [MA/MSc. Project](#) (↗)

Patent Awarded: [Arktura](#) (↗)

Architizer Jury Winner: [Arktura](#) (↗)

Interior Design Award: [Arktura](#) (↗)