Benedict Jones

Product Designer and Graduate Engineer

London, UK
✉ benedictjnz@gmail.com
🌐 www.benjnz.com
in linkedin.com/in/benjnz

Technical Skills

Design Tools	Solid Works, AutoCAD, Fusion 360, Blender, Adobe Creative Suite (Photoshop, Illustrator, InDesign, Premiere Pro, After Effects)
Prototyping	3D printing (FDM & SLA), Laser cutting, Electronics prototyping, Hand modelling
Programming	Python, MATLAB, HTML/CSS/JS
Soft Skills	Interdisciplinary collaboration, Rapid ideation, Design communication, User research, Public speaking

Projects

2025 Novel Nutritional Fabrication Machine

Designed, built, developed and tested a rapid additive gelatine-based machine and system for desktop use.
- Employed knowledge in electrics, electronics, mechanics, and rheology (of food), to construct a novel appliance.
- Built and incorporated a web-based app to personalise and define gummy snacks.
- The complete system was displayed at the RCA 2025 Expo in Battersea over 3 days and is listed for the James Dyson Award 2025.

2025 Explored and Delivered an Innovative Solution to Fresh Food Packaging waste

Worked in a team combining 5 different disciplines within the design and artisanal field over 6 months, delivering a keynote presentation at the end of the timeline.
- Researched and experimented with biomaterials to build packaging materials using powdered orange peel.
- Worked with branding design and built a narrative to contextualise the innovation.

2025 Designed and Built a Bamboo Stool

Using no adhesive, or Joineries other than Bamboo Combs.
- Designed and built a stool using bamboo combs and bamboo strips.
- Exhibited it along with 120 other stools in an exhibition.

2024 Micro-3D Printing Thesis

Developed a novel approach for micro-structured 3D prints using TPU on conventional printers.
- Engineered complex lattice structures without specialist machinery.
- Integrated parametric design with automated G-code generation.
- **Achieved a first-class result**; praised for technical creativity and repeatability.

2024 Civil Engineering Structural Design

Designed and calculated structural elements for a retaining wall project.
- Created full construction documentation and CAD detail drawings.
- **Received a first-class grade** for technical accuracy.

2023 Open-Source Rube Goldberg Machine

Led a team of 5 to design a fully printable chain reaction device.
- Delivered within a full academic cycle.
- Managed file repositories, user documentation, and presentation.

Formal Experience

Summer 2023   **Research Collaborator in HCI**, *Swansea University*, Swansea, Wales
- Co-developed a self-powered sensor array for environmental sensing.
- Led user feedback sessions and visualised deployment data.
- Coauthored a paper published at NordiCHI 2024; also created an accompanying video.

2022-2023   **Solidity Developer**, Remote
- Engaged in the ERC-20 space and developed numerous smart-contracts for various third-party projects. Notably, developed the first mainstream smart-contract with integrated depreciating fees.
- Deployed and managed smart-contracts for active cryptocurrency projects during their initial launches.

Summer 2020   **Computer Science Intern**, *Swansea University & Council*, Swansea, Wales
- Piloted a drone for surveying the Arena Abertawe infrastructure site.
- Used photos/videos to generate accurate 3D models of future construction.

Education

2024–2025   **Masters of Arts - Product Design**, *Royal College of Art*, London, UK

2020–2024   **Bachelors of Engineering - General & Civil (2:1)**, *Durham University*, Durham, UK

2013–2020   **A-levels: Mathematics (A*), Further Mathematics (A), Physics (A), Art & Design (A), Welsh Baccalaureate (A*)**
GCSEs: 10 A*s, 2As, *Olchfa Comprehensive School*, UK

Certifications

Active   CAA Operator License

2014–2021   Duke of Edinburgh - Bronze, Silver & Gold

2014   Grade 4 ABRSM (Piano)

Volunteering

2022   Intern youth leader, Jubilee Community Church (Cape Town)

2017–2019   Young leader, Beavers (Scouts UK division)

Languages

English   Native proficiency

Welsh   Intermediate (spoken and written)

Interests

Creative   Novel product design, DIY electronics, physical computing

Personal   Tennis, photography, travel, content creation

Benjnz