

# Christian Grose

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Experienced in delivering fast-paced hardware and software projects. Currently conducting R&D with Nothing on smart ring interactions. Seeking a graduate-level role in industrial design, hardware and/or software.

## Education

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### Imperial College London – MEng Design Engineering

Sep 2022 – June 2026

- A multidisciplinary degree fusing design thinking with engineering, centred on innovation and enterprise.
- Core modules:
  - **Engineering:** Mechanics, Robotics 1 & 2, Electronics 1 & 2, IoT, Battery Engineering, FEA, CFD, Optimisation, Materials and Manufacturing
  - **Computing:** Computing 1 & 2 (Python & JavaScript), Data Science (ML), Physical Computing.
  - **Design:** Human-Centred Design, UI/UX, Design Futures, Advanced Industrial Design, Sustainable Design, Value Sensitive Design
  - **Business:** Enterprise Roll-Out, Innovation & Entrepreneurship.

### Tsinghua – Collaborative Summer Lab Project

Aug – Sep 2024

- Five-week futures design project in Qingdao, exploring ‘Good vs. Bad’ scenarios for 2050.
- Collaborated with Tsinghua Industrial Design students to design a speculative gardening assistant robot.
- Presented final concepts on stage to Chinese government officials and industry representatives from Hisense, Goertek, and CRRC.

## Experience

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### Nothing – R&D Engineer (Master’s Collaboration)

Sep 2025 – Present

- Leading a self-initiated research track exploring gesture input for the emerging smart ring product category.
- Prototyping IMU-based interactions (accelerometer/gyroscope data) to control UI elements without screens.
- Developing full-stack applications to visualise sensor data and training models to classify micro-gestures.
- Set to deliver a polished hardware prototype and interaction framework by June 2026.

### AirEmail – Technical Project Manager (Software)

May – Sep 2025

- Managed the pilot rollout of an Outlook safety Add-in at UCLH, acting as the technical bridge between the clinical trial team and the software engineers.
- Collaborated with Blueberry Consultants to define detailed specifications for the feedback software redevelopment; the feature was approved by senior management and is now in production
- Produced comprehensive onboarding resources (videos, presentations) utilised by thousands of NHS staff.
- Solely developed and deployed the company’s updated website using Webflow, resulting in increased leads and brand profile.

### DreamTeam – Freelance Designer

Jan 2025 – Present

- Working within Imperial’s in-house design consultancy led by Professor Nick Munro.
- Supporting early-stage surveying, analysis and design proposals for Imperial’s debut appearance at the Chelsea Flower Show (2027).

### Victoria & Albert Museum – Youth Collective Member

Sep 2023 – Sep 2024

- Selected as one of twelve creatives to join the V&A Youth Collective.
- Contributed to the redevelopment of the South Asian gallery and co-curated a ‘Careers in Costume Design’ event featuring guest speakers Gabriela Slade and Luca Bosani.

### Ideas Lab – Student Expert & Technician

Sep 2023 – Present

- Managing the student-run rapid prototyping workshop within the Design Engineering department.
- Responsible for inducting new members on safety protocols and maintaining lab equipment and inventory.

## Core Technical Competencies

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**Engineering** – Fusion360, SOLIDWORKS, Rhino, FEA, CFD, Surface Modelling, DFMA.

**Electronics** – Circuit Design, PCB Layout, Arduino, Raspberry Pi, Sensors & Signals.

**Software & AI** – Python, C++, JavaScript/TypeScript, HTML/CSS, Machine Learning.

**Design** – Sketching, Figma, Illustrator, InDesign, Blender, Premiere Pro, KeyShot