



*Ultem bespoke eyewear project [2]*



*Used GMW-B5000 after purchase (2023)*



*Custom Franken-GMW-B5000 (2025)*



*Recent cylinder arm sewing machine barn find (literally!)*

Dear Michael and Fether Labs Team,

I wanted to start by mentioning that I've been offered a place on the RCA/Imperial IDE programme this autumn [1], however I'm ready to go deep on wearables in industry—this role is exactly the kind of hands-on design work I want to be doing.

**Prototyping & Design for Manufacture:** The first project featured in my Portfolio [2] is a bespoke fit eyewear project. I 3D scanned my face for accurate dimensioning in CAD, went through 11 3D printed iterations, then sliced the model as preparation for CNC machining the final frame in Ultem PEI—a skin-safe thermoplastic. The design includes a unique lens rim form. My original plan to solder threaded inserts failed due to Ultem's high melting point—so I pivoted to adhesive bonding.

**Soldering & Consumer Electronics:** An ongoing project is an L-TRAC trackball USB-C conversion modification [3] with fine-pitch soldering, CAD, and printed Formlabs resin housing. A completed project is my personal custom G-Shock. Featured to the left is my GMW-B5000—with swapped buttons from the TR model, TB-1 sapphire crystal, and a grade 2 Ti bracelet—requiring precision disassembly and component research.

**Background & Equipment:** While studying fashion accessories at LCF, I've focused on body-worn objects—ergonomic soft goods industrial design. Dexterity from leather work (saddle stitching, edge finishing) transfers to precision assembly. I recently acquired a cylinder arm sewing machine from a saddlery factory which allows me to work on soft goods design and construction at home after graduation (See left column).

I can start immediately part-time & full-time after graduation in June. Commutable to Hammersmith from Kingston.

Best,  
Zayn

## Appendix

[1] ↗ IDE Offer—Innovation Design Engineering dual MA/MSc, Royal College of Art & Imperial College London (See next page)

<https://imperial.ac.uk/design-engineering/.../ide>

[2] ↗ Ultem PEI Bespoke eyewear—Rhino CAD, 3D printed prototyping, CNC Splitting & Manufacture (Project 1 on Portfolio)

<https://khanate.systems/portfolio.pdf>

[3] ↗ L-TRAC USB-C Conversion—Fine-pitch soldering, CAD modelling, 3D printed housing (Project 3 on CV)

<https://zayn.world/cv.pdf>

Royal College of Art  
Kensington Gore  
London SW7 2EU

Dear Zayn Shafiuddin,

**2026/27 Entry to the Royal College of Art**

I am delighted to offer you a place at the Royal College of Art on the Innovation Design Engineering (MA) programme.

Studying at the RCA is the starting point for the world's creative leaders and we can't wait to welcome you to our vibrant and inspiring community. Being offered a place to study at the world's number 1 art and design university is a significant achievement, and we hope you are excited to receive this news.

This letter outlines the details and conditions of your offer and summarises the next steps and key information.

Let's get started with a summary of your offer:

RCA Student ID	10073255
Programme	Innovation Design Engineering (MA)
Programme start date	07 September 2026
Programme duration	2 year
Award on completion of the Programme	MA (RCA)
Delivery Mode	On Campus
Campus	London  You will be located at one of our three central London campuses.  Confirmation of your programme's campus will be shared on the <a href="#">Offer Holder Hub</a> . Please check regularly for more information.  Further details will be provided when the timetable for your programme is released.
Study Mode	Full-Time
Fees Status	Home
Programme Fee	£19,400.00
Deposit Payable (deductible from programme fee)	£1,000.00