

# SARAH GU

Collaborative, versatile and detail-oriented Design Engineering student, equipped with a specialised creative and analytical skillset, and the ability to deliver high quality solutions in dynamic environments.

## EDUCATION

### Imperial College London, Dyson School of Design Engineering

*MEng Design Engineering*

Oct 2022 - Oct 2026

#### **Key modules:**

Industrial Design Engineering, Engineering Mathematics, Sustainable Design Engineering, Physical Computing, Materials and Manufacturing, Finite Element Analysis

#### **Key Activities:**

- Dessoc - Activity Manager (departmental social event organising)
- Cameroon Catalyst - Volunteering to design and develop rainwater harvesting systems for Eastern Cameroon

### Tanglin Trust School, Singapore

Aug 2018 - Jun 2022

A Levels: Maths, Further Maths, Physics, Chemistry (A\*A\*AA)

IGCSEs: 10 A\*/9s

## KEY PROJECTS

### COOL STREAM

Jan - Jun 2024

As Creative Lead, developed and modelled a working device to assist with topical eczema treatments, overseeing all aspects of product and packaging design with a focus on user ergonomics and holistic usage flow.

### FOLDS

Jan - Jun 2023

Designed and prototyped a user-centred, sustainable footwear solution, integrating high, medium and low-top styles into one shoe. The team project won the **Imperial College DESIRE award** for most innovative product design.

### Maestro

Oct - Dec 2023

Engineered an interactive music box that merges orchestra conducting and ballet dancing for customised user control, responsible for all electronic and mechanical designs.

### BloomBums

Oct - Dec 2023

Designed and conceptualised a modular nappy, combining the advantages of reusable and single-use alternatives, to address sustainability concerns around the disposable nappy market.

## CONTACT

### SARAHGU.COM

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## EXPERIENCE

### Management Intern — Media 10, London

Sep 2024

Working on Grand Designs Live Exhibition, coordinated the entire sustainability sector, with over 25 exhibitors, between market, studio and sales teams. Communicated and finalised graphic design and business elements.

### Design Intern — CipherX, London

Jul - Aug 2024

Enhanced microneedle microfab process by redesigning tools, boosting workflow efficiency by 35%. Oversaw brand media creation and post-processing. Conducted extensive market and consumer research within the tattoo industry.

### Intern — IBM, Singapore

May 2019 - Jun 2019

Worked with the quotation-to-cash team. Assisted with quarter reports livestream.

### Team Leader — Bridge Institute & Accenture, Singapore

Feb - Oct 2021

Developed a government proposal to improve migrant worker dormitories using sustainable strategies, targeting the Singapore 2030 Green Plan. Presented as the team lead at the Singapore Young Leaders Summit.

## SKILLS

- Adobe Creative Suite (Indesign, Illustrator, Premier Pro, Photoshop)
- CAD modelling (Fusion 360, Solidworks)
- Figma
- Hi-Fi, Lo-fi, Rapid prototyping
- Microsoft Office Suites
- Python, Javascript

## LANGUAGES

English - Native

Chinese - Native