

## Hasha Dar

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<b>EDUCATION</b>	<b>Mechanical Engineering MEng, University College London</b> <b>2019 - present</b>
	Key modules: Mathematical Modelling & Analysis, Fundamentals of Materials, Engineering Dynamics, Introduction to Thermodynamics and Fluid Dynamics, Mechanical Engineering Practical Skills.
	<b>A-Levels, Bancroft's School</b> <b>2017 - 2019</b>
	Mathematics A*, Further Mathematics - A, Physics - A, German - B
	<b>GCSEs, Bancroft's School</b> <b>2015 - 2017</b>
	4 A*, 4 A, 2 B
<b>ENGINEERING PROJECTS</b>	<b>IMechE Challenge - Squash ball line launcher: Design, build and test</b> <b>2020</b>
	<ul style="list-style-type: none"><li>• <b>Communication:</b> as the team leader, I liaised with and effectively distributed tasks among my team, playing to the various strengths of my team and meeting deadlines.</li><li>• <b>Design:</b> designed a line launcher in a team of six to fire a squash ball (40mm) with a line attached into a target with a diameter of 120-490mm. Budgeted to cost no more than \$25 and used bought parts as well as proprietary parts.</li><li>• <b>IT:</b> used CATIA V5 to produce our first prototype line launcher. MATLAB code was also used for calculations.</li><li>• <b>Written communication:</b> a 30 page design portfolio and a PowerPoint presentation were produced to present to a panel of 5 engineering experts.</li><li>• <b>End-to-end project management:</b> communication was primarily achieved through Microsoft Teams, where project files were uploaded and worked on together.</li></ul>
<b>OTHER RELEVANT EXPERIENCE</b>	<b>UCL Formula Student Racing team</b> <b>2019 - present</b>
	<ul style="list-style-type: none"><li>• <b>Management:</b> worked on the costing and Bill of Materials for the Formula Student race car.</li><li>• <b>Electrical design:</b> Helped design electrical circuits for components on the race car.</li></ul>
	<b>UCL Drone team</b> <b>2020 - present</b>
	<ul style="list-style-type: none"><li>• <b>CAD</b> used Autodesk Fusion 360 to design the frame of the drone.</li></ul>

## OTHER EXPERIENCE

### Freelance Photographer

2016 - present

- **Leadership:** working freelance has taught me various skills, such as time management and effective business strategies.
- **Technical skills:** I have self-taught camera techniques and various photography styles including studio, fashion and event photography.
- **Creative portfolio:** this may be viewed at [hashadar.com](http://hashadar.com)

### Staff member at Cambridge Islamic Finance Leadership Program

2016 - present

- **Project management:** my role at the programme was to manage the media of the event. This involved social media posts, photography and live streaming.
- **Communication:** working in a team meant that I had to clearly communicate with my team members, in order to make sure that the programme ran smoothly.

### Theatre Sound Designer

2017 - present

- **Management:** I have worked as a lead sound designer for many university and school theatrical performances, integrating into large teams involving stage crew, cast and directors.
- **Technical skills:** I have taken part in training at UCL Stage Crew to create effective and well-structured integrated sound designs for numerous shows.

## SOFTWARE

**LaTeX:** my work can be viewed at [github.com/hashadar](https://github.com/hashadar)

**Microsoft Office:** Word, PowerPoint, Excel, Teams.

**CAD:** CATIA V5 and Autodesk Fusion 360.

**MATLAB**

## INTERESTS

**Languages:** Native in English and Urdu. Conversational in German (B2). I am also learning Turkish and Bahasa.

**Sport:** Fencer and badminton player. Played in national fencing competitions in 2016 and 2017. Captain for Redbridge Fencing team and Bancroft's Fencing team 2015-2018.

**Reader:** Regular reader of technology news and current affairs.