

Hasha Dar

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EDUCATION	<i>Mechanical Engineering MEng</i> , University College London 2019 - present Key modules: Mathematical Modelling & Analysis, Fundamentals of Materials, Engineering Dynamics, Introduction to Thermodynamics and Fluid Dynamics, Mechanical Engineering Practical Skills.
	<i>A-Levels</i> , Bancroft's School 2017 - 2019 Mathematics A*, Further Mathematics - A, Physics - A, German - B
	<i>GCSEs</i> , Bancroft's School 2015 - 2017 4 A*, 4 A, 2 B
ENGINEERING PROJECTS	<i>IMechE Challenge - Squash ball line launcher: Design, build and test</i> 2020 <ul style="list-style-type: none">• Communication: 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.• Design: 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.• IT: used CATIA V5 to produce our first prototype line launcher. MATLAB code was also used for calculations.• Written communication: a 30 page design portfolio and a PowerPoint presentation were produced to present to a panel of 5 engineering experts.• End-to-end project management: communication was primarily achieved through Microsoft Teams, where project files were uploaded and worked on together.
OTHER RELEVANT EXPERIENCE	<i>UCL Formula Student Racing team</i> 2019 - present <ul style="list-style-type: none">• Management: worked on the costing and Bill of Materials for the Formula Student race car.• Electrical design: Helped design electrical circuits for components on the race car.
	<i>UCL Drone team</i> 2020 - present <ul style="list-style-type: none">• CAD used Autodesk Fusion 360 to design the frame of the drone.
OTHER EXPERIENCE	<i>Freelance Photographer</i> 2016 - present <ul style="list-style-type: none">• 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

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

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.