

# Joel Lindley

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## EDUCATION

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### University College London (UCL)

*Studying MENG Mechanical Engineering*

- Predicted 1<sup>st</sup> Class Degree
- Competing member of the Rocket Division of Formula Student

**London, UK**

*Sep 2023 – Present*

### The Crossley Heath School

*A-Levels: Mathematics A\*, Physics A\*, Design Technology A\**

**Halifax, UK**

*Sep 2020 – Jun 2022*

*GCSEs: 8 A\*, 2 A (including A\*'s in Mathematics and Physics)*

*Sep 2015 – Jun 2020*

## TEACHING AND LEADERSHIP EXPERIENCE

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### UCL Rocketry Team

*Junior Aerospace Engineer*

**London, UK**

*September 2023-Present.*

- Achieved 1<sup>st</sup> place in the national NRC competition of 2024 and coming 1<sup>st</sup> in the international competition in Texas, out of all UK and EU teams and successfully launching a 13 feet M-Class Rocket.
- Helped develop the advanced thermal system and the heat pump-esque liquid engine and hot firing the UK's first plasma coated regeneratively cooled liquid engine to 5 kN.
- Constructed from scratch, a fully composite rocket, with fibre glass and carbon fibre components, prioritising sustainability.

### Focus For Hope

*Special Needs Teaching Assistant*

**Halifax, UK**

*Jul 2019 – Sep 2021*

- Developed excellent, clear interpersonal skills when I provided one-on-one instruction to a 64-year-old man with significant disabilities, tailored to his unique learning needs, even taking the initiative to learn basic sign language.
- Assisted students with a range of learning difficulties, including ADD, ADHD and Autism, further developing my communication skills.
- Collaborated with many other types of volunteers all over the country to help communicate in special cases.

## WORK EXPERIENCE

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### Lindley Developments

*Manual Worker*

**Huddersfield, UK**

*August 2018 – Present*

- Developed my practical, hands-on' experience, using hand and power tools to execute precise and intricate mechanical tasks effectively.
- Took initiative in applying site safety (PPE, permits, tool checks) while keeping the site clean throughout the day.

### Elland Plains Pool

*Trained Lifeguard*

**Halifax, UK**

*Apr 2020 – June 2021*

- Enforced rules (no lone swimming, correct PPE where applicable), marshalled during drills/evacuations, and kept the deck clean and hazard-free.
- Oversaw the safety of patrons and took charge in emergency situations, remaining composed and making sound decisions under high-pressure scenarios.

### The Viaduct Restaurant and Bar

*Bartender*

**Westvale, UK**

*August 2021-May 2023*

- Independently kept bar workstations spotless: clean-as-you-go during service, end-of-shift deep cleans, spill response, and waste segregation.
- Trained new starters by walking them through opening/closing checklists and safe use of equipment (glasswasher, tills).

## AWARDS

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### Kevin Allen Award

*Crossley Heath- Awarded for an exceptional performance in Mathematics A-level.*

### 'Mechathon' Award

*University College London (UCL)- Achieved 3<sup>rd</sup> Place in a model plane competition with over 50 people.*

## ADDITIONAL INFORMATION

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**Skills:** First Aid Trained, Qualified lifeguard (NPLQ), Autodesk certified Professional in AutoCAD (Fusion 360), 3-week course taken in Sketch Up (3D CAD), frequent workshop practice (hand/power tools), familiarity with laser cutters & 3D printers, adept with composite forming and shaping (most experience with GFRP).