

# ALBERT STARK

✉ albertecstark@gmail.com    📍 London, United Kingdom  
🌐 albertecstark.github.io    🔗 albert-s-a33541211    🐙 albertecstark

## ABOUT

---

I am a motivated A-level student, currently in my Lower 6th year, taking mathematics, further mathematics and physics. Although I also am taking the Japanese GCSE and JLPT N4 tests this year as well. I am a voracious learner as many of my teacher will tell you, and I am always eager to consolidate my own knowledge, but also to help others. Which I do by regularly helping pupils in the younger years of my school with things like prep or revision. Aside from academics, I am passionate about engineering and software development, as well as linguistics, chess and rowing.

## SKILLS

---

### Engineering Tools

Autodesk Fusion 360    Arduino IDE

### Programming Languages

C/C++    Python    HTML5    CSS3     $\text{\LaTeX}$

### Languages

English - Native    Japanese - Profesional working proficiency    Mandarin - Elementary

## PROJECTS

---

### Project Euler

#### General problem-solving

📅 Sept 2021 - Present    🐙 albertecstark/projectEulerPuzzles

In an effort to improve my analytical thinking, problem-solving skills and some of my ability to code, I have decided to relativley regularly complete a puzzle on Project Euler. The code for which can be found on my GitHub.

---

### Raytracing implementation

#### A foray into computer graphics programming

📅 Dec 2021 - Present    🐙 albertecstark/raytracing

This originally started as me just blindly following the instructions in the excelent raytracing in a weekend series (<https://raytracing.github.io/>), but to check whether I actually understood what was going on, I self implemented Box, Cylinder, Capsule, Plane, Triangle and Mesh primitives. Which was greatly helpful in solidifying my knowledge base.

## EDUCATION

---

### GCSEs

#### The Oratory School

📅 Sept 2019 - Jun 2021    📍 Reading, UK

9s - maths    8s - Physics, Chemistry, Biology, History, English Lang, English Lit    7s - 3D design, Latin, RS

## REFERENCES

---

References are available upon request.