

# STUDENTSHAPERS

## StudentShapers Recruitment: Calling all *Mathematics* Students

### (LLM powered feedback tool for Mathematics Learning)

**Bursary:** 3 full-time positions over the period of four weeks (June 17<sup>th</sup>-July 12<sup>th</sup>) : £1510 in total per student

**Who should apply:** Math or JMC Students (ideally year 2 and above) with a solid knowledge of the Year 1 curriculum and good team and communication skills. Programming knowledge especially Python is an advantage but not necessary.

**Campus/Location:** South Kensington Campus, Huxley building. Possibility of working partly online.

#### Project details:

*Direct feedback is always one of the main requests made by students in their evaluations. Our project aims at providing students with a tool that generates useful feedback instantly upon demand. Focused on creating a LLM based auto corrector for mathematics assignments, its goal is to innovate education by integrating technology and fostering staff-student collaboration.*

*This initiative will follow a development cycle of research, testing, refinement, and evaluation, actively involving students and educators in its evolution. We aim to integrate into the Lambda-Feedback platform a prototype application we have already developed. This application leverages the capabilities of GPT-4 to provide constructive feedback on mathematics homework, thereby supporting both students and educators. We will test the prototype with participating students, gathering feedback and insights and use this feedback for iterative improvement. Students will be given the opportunity to improve the prototype. We will then write a report on the tool collaboratively with the students who participated in the testing. This report will be submitted to a conference or journal.*

*This is a unique opportunity to gain experience with LLM and to take part in technological innovation in teaching and learning. Participating in this project will allow students to co-create interactive educational content, to advance and evaluate educational tools but also to build a partnership between learners and educators.*

#### How to apply:



Applications (300-500 words) should be made via the 'Student Expression of Interest' form on the StudentShapers website ([here](#)) or accessed using the above QR code. This will then be distributed directly to the appropriate staff partner.

**Deadline:** 31st May

**Contact details:** [mlawn@ic.ac.uk](mailto:mlawn@ic.ac.uk) for additional information.