

## APPLICATION OUTSIDE OF HUNGARY (UK)

The future of economics fascinates me, and I believe that navigating this unknown requires governments and firms to prioritize innovation. This belief drove me to explore the utilisation of artificial intelligence in economic development through an essay competition. My research into the risks and benefits of generative AI, earned me a place as a finalist and a university scholarship. I discovered that while AI offers substantial advantages, such as rapid data analysis and pattern recognition, it also presents dangers. For instance, an over-reliance on AI can be detrimental, a point underscored by Tim Harford's podcast on the Air France flight disaster. This prompted me to read *Look Again* by Sharot and Sunstein where I discovered that the dangers of habituation, such as getting accustomed to hardships, can lead to high levels of inflation and in the long run distorted economic behaviour, creating a fiscal burden. Nonetheless, I believe habituation can yield benefits through consistent consumption patterns, thereby encouraging investment into innovation. However, embracing new perspectives remain crucial for continued progress.

Intrigued by these methods, I pursued work experience at GSA, a quantitative hedge fund. I was impressed by how algorithms were employed to identify trading opportunities to remain competitive in a dynamic market, an approach I view as increasingly vital.

Participating in the UKMT challenges, where I earned six gold awards and was named best in school, greatly enhanced my problem-solving skills, as creative thinking and clear articulation were essential. These were further refined in the Maths Olympiad for Girls, where I achieved distinctions in Years 11 and 12, and in the UKMT Olympiad round, which challenged me with increasingly complex problems. My understanding was deepened by a mathematics course at the University of Surrey, where I explored group theory and abstract algebraic structures.

Integrating my passion for mathematics and economics, I undertook two work experiences at Hardwick and Morris, where I worked with clients, analysing and summarising financial data. This inspired me to participate in the Tycoon Young Enterprise competition as Co-CEO and Financial Director, where we were finalists. The project taught me valuable insights into logistics and the importance of adapting to consumer demand, which ultimately shapes business operations.

My entrepreneurial experiences motivated me to enter the Cambridge Kingslab essay competition, where I analysed how, when innovating, the introduction of new products affects existing goods, highlighting the need to consider the comprehensive effects on the business beyond immediate revenue.

Recognizing the importance of public opinion in governmental decisions, I completed a MOOC in Behavioural Economics and Public Policy. The course highlighted various heuristics shaping consumer attitudes and how to address them effectively. It inspired me to consider a future in researching behavioural economics, especially in designing policies such as the opt-out scheme for organ donations and explore new initiatives to address economic challenges.

My interest in social issues was further demonstrated through my involvement in the European Youth Parliament. In the regional round, I debated housing issues, and advancing to the national round, researched the economic effects of farming. I discovered the tension between sustainability and farmer income, emphasizing the importance of balancing short- and long-term solutions to address decreasing crop yields. This experience accentuated the need for sustainable policies that consider both environmental and economic factors. I have now been chosen to represent England at EYP abroad and look forward to debating further economic challenges.

Beyond academics, I am involved in Hungarian Scouts, leading camps, overseeing logistics and budgeting. My role requires organizational and interpersonal skills, and I have represented my

country at camps globally, from America to South Korea, demonstrating my independence and ability to handle complex tasks.