

# Seyoon Park

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## Education

University of Oxford, MCompSci	Oct 2025 - Jun 2029
Harrow School	Sep 2020 - Jun 2025
• A-levels: A* A* A* A A	

## Key Achievements

Western-European Olympiad in Informatics - Silver Medal	Jun 2025
• Selected as one of the UK's top students to compete in an international subcontinental informatics olympiad.	
British Informatics Olympiad Finalist	Feb 2025
• Top 15 score nationally; Qualified for Round 2 UK team selection test.	
Ellison Scholarship Finalist	Mar 2025

## Experience

Problem Writer/Tester, Perse Coding Challenge	Aug 2025 - Present
• Collaborating to create Perse Coding Challenge 2026, which attracts about 5000 students annually.	
Work Experience, SmartChainServices – Remote	Aug 2024 - Sep 2024
• Developed a high accuracy predictor using statistical learning methods and time series analysis.	
• Processed datasets with pandas/numpy, then trained and evaluated models in scikit-learn.	
Contributor, British Informatics Olympiad Helper	Jul 2024 - Aug 2024
• Contributed to an open-source education project by authoring structured solutions for algorithmic problems.	
• Managed contributions through Git, including code review and pull request submission.	
Co-organiser, Lovelace Hackathon	Feb 2024 - Feb 2024
• Designed more than 20 programming puzzles for 150+ participants from 10+ schools.	

## Projects

Applied Genetic Algorithm Research	Mar 2024 - Jun 2024
• Designed and implemented an evolutionary algorithm that reduced elevator energy usage by 3.3% compared to conventional scheduling methods across 100 simulations.	
• Used C++ and Python for algorithm development, with LaTeX and Excel for documentation and result analysis.	
• Awarded the CREST Gold Award for research excellence and innovation.	
Pseudocode to Python Transpiler	
• Built a transpiler converting Cambridge IGCSE-style pseudocode into executable Python, supporting loops, functions, and CASE statements.	

## Publication

Binary Indexed Tree and Higher Orders of the Fibonacci Sequence	Apr 2024
Seyoon Park	
SSRN Computation Theory eJournal (Preprint) [10.2139/ssrn.4809152]	

## Skills

**Programming Languages:** C++, C, Python.

**Languages:** Korean (Native), English (Bilingual), Chinese (Professional; HSK VI).