

THOMAS ARCHBOLD

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BACKGROUND

I am a Ph.D. candidate at King's College London where I am part of the Distributed Artificial Intelligence group. My research interests are in algorithmic game theory and mechanism design, as well as other areas of theoretical computer science including algorithms and complexity theory.

EDUCATION

Ph.D. Computer Science, King's College London **2020-2024 (expected)**
Research interests: algorithmic game theory and mechanism design, bounded rationality, theoretical computer science
Supervisor: Professor Carmine Ventre

MSc. Computer Science, University of Warwick **2019-2020**
Classification: Distinction
Dissertation title: *A Decentralised Peer-Prediction Market* (awarded distinction)

BSc. (Hons) Computer Science, University of Warwick **2016-2019**
Classification: 2-1
Dissertation title: *An Educational Kernel for the Raspberry Pi* (awarded first class)

EXPERIENCE

Graduate Teaching Assistant, King's College London **Jan 2021-present**
– 6CCS30ME Optimization Methods 2021/22, 2020/21
– 4CCS1DST Data Structures 2021/22

Private Tutor **Oct 2020-present**
Tutor privately for maths and computer science from GCSE up to undergraduate level. Provide guidance for writing personal statements and deliver mock interviews for university admissions.

Software Graphics Engineer Intern, Imagination Technologies, Kings Langley **Jul 2019-Sep 2019**
Worked with the PowerVR Vulkan driver team researching Google's ANGLE API to analyse its performance on the driver, and wrote OpenGL ES and Vulkan programs to test specific areas of its functionality. Contributed driver code and discussed progress and plans in weekly team meetings.

ACADEMIC INVOLVEMENT

Seminar Organiser, Distributed Artificial Intelligence group, King's College London **Jan 2021-present**
Help to organise the fortnightly seminar within the Distributed Artificial Intelligence research group, which involves contacting internal and external speakers to present talks on their work and chairing the meetings.

Conference Volunteer
– International Colloquium on Automata, Languages, and Programming (ICALP) Jul 2021

Sub-reviewer
– Algorithmic Decision Theory (ADT) Jun 2021

Poster presenter, International Conference for Undergraduate Research 2018 **Sep 2018**
Presented individual research project on "Cellular Automata and Computational Universality" at the ICUR. Produced an introductory primer on cellular automata and their applications plus visualisation software.

LANGUAGES AND SKILLS

Programming Languages Bash, C, Common Lisp, Python
Languages French (B2/upper intermediate)
Russian (B1/intermediate)

WIDER ACTIVITIES AND ACHIEVEMENTS

King's Education Awards Nominee 2021
First XV Player of the Season, University of Warwick RFC 2019/20, 2018/19
UWRFC First XV, QE Boys Rugby First XV, QE Boys Cricket First XI 2016-20, 2014-16, 2015-16