Tristan Kalloniatis

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Personal statement

A quantitative researcher with high analytical skills, from a pure mathematics postgraduate background, with a keen interest in machine learning, natural language processing, and artificial intelligence research.

Experience

September 2016 – present: Quantitative researcher at G-Research (London).
This involves application of coding, statistical modelling, and research skills in the pursuit of identifying exploitable statistical patterns in global equity markets.

Publications

Kalloniatis, Tristan. (2018). On flagged framed deformation problems of local crystalline Galois representations. Journal of Number Theory. 199. 10.1016/j.jnt.2018.11.010.

Education

Date	Institution	Degree	Result
2011-16	King's College London	Mathematics (PhD)	Awarded April 2016 for thesis entitled "On Flagged Framed Deformation Problems of Local Crystalline Galois Representations"
2010-11	Queens' College Cambridge	Mathematics Tripos Part III (MA)	Distinction Specialised in algebraic number theory and the theory of computation
2007-10	Queens' College Cambridge	Mathematics Tripos (BA)	First class honours; several college prizes for top 10 rankings university wide

Also accredited on Coursera for University of Washington Machine Learning specialisation, achieving a 97% grade average.

Skills

My lifelong interest in mathematics and related quantitative fields has fostered both a capacity for quick logical reasoning and the ability to rapidly digest technical information and learn new skills.

Programming: Languages include python, C#, octave/MATLAB, Mathematica, and SQL.

Research and project management: Both working at G Research and the previous PhD experience have taught me how to work independently, motivate myself, and break large projects into smaller manageable pieces.

Communication: This has been honed by giving a large quantity of teaching and seminar talks.

- Presenting to a specialised audience: while at G Research, given several talks both on the particulars of my research as well as paper presentations through the NLP reading group. Also throughout my PhD gave several talks to graduates and researchers as part of the London Number Thery study group series.
- Presenting to a non-specialised audience: while at Queens', gave undergraduate supervisions during Part III. I also lead several term long undergraduate classes at King's, and have been approached by students for private tuition, currently offered through two agencies charging up to £80/hr.

Networking: Attended several week long PhD conferences around the world on algebraic number theory, allowing me to interact with fellow graduates and researchers.

Other: I speak French, and play keyboard at performance level. In my spare time, I have a strong interest in Rubik's cubes and related puzzles, and am also passionate about powerlifting and squash.

Referees

Prof Fred Diamond, PhD supervisor at King's College London. Email: fred.diamond@kcl.ac.uk
Dr Julia Gog, Director of Studies at Queens' College Cambridge. Email: jrg20@cam.ac.uk