

ARYAN GHOBADI

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HIGHER EDUCATION

Queen Mary University of London *London, UK*

- PhD in Mathematics *2018-2022*

Started in September 2018 under the supervision of Prof. Shahn Majid

University of Cambridge *Cambridge, UK*

- MAst in Pure Mathematics *2017-2018*

Grade Obtained: 80/100, Pass with Distinction, Part III Essay on Deformations of Algebras

University College London *London, UK*

- B.Sc Mathematics *2014- 2017*

Grade Obtained: 86/100, UK First Class Honours

PAPERS AND PUBLICATIONS

- *Fox Derivatives: A Unique Connection Between Group Presentations and the Integral Group Ring*
Adv. in Group Theory and Applications, Volume 6, Pages 3-21 *2018*

AWARDS AND SCHOLARSHIPS

- Queen Mary Principal's Award Scholarship *2018*
 - Churchill College Prize Scholarship *2018*
 - UCL Dean's List *2017*
 - UCL Departmental Scholarship for Summer Projects *2016*
 - Kestelman Prize *2015*
 - Silver Medal in Iran's Mathematics Olympiads *2012*
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TALKS

- From knots and topology to tensor categories *February 2019*
 - Hopf Monads *February 2019*
 - Category Theory Basics *December 2018*
 - Morita Equivalences for Module Categories *December 2017*
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CONFERENCES AND MEETINGS ATTENDED

- Representations of monoidal categories and 2-categories *July 2019*
- Rings, modules, and Hopf algebras *May 2019*
- Aspects of Higher Representation Theory *January 2019*

PUBLIC ENGAGEMENT/ OUTREACH

- Knot Theory Talk for High Schoolers *2019*
- Supervisor and editor for Summer School projects *July 2019*

PAST RESEARCH EXPERIENCE

Part III Essay

- Deformations of Algebras

Supervised by Dr. Chris Brookes

Winter 2018

University of Cambridge

- Representations of Artinian Algebras

Supervised by Prof. Pascual Jara

Summer 2017

University of Granada

Summer Projects

- Fox's Free Differential Calculus and its Applications to Finitely Presented Groups

Supervised by Dr. Isidoros Strouthos

Summer 2016

University College London

WORK EXPERIENCE

ADM Mathematics Society at UCL

- President *2016 – 2017*

Includes: Coordinating the committee to be organised and overseeing the societies activities, planning and managing events, and communicating with the Department about the society's activities.

- Social Director *2015-16*

Included: Coming up with ideas for social events, organising and running them.

UCL Undergraduate Mathematics Colloquium

- Organiser *2015 - 2017*

Chalkdust Magazine

- Team Member *January 2016 – May 2017*

UCL ChangeMakers Grant

- Lead Student *2017*

Assisting in Dr. Cosette Crisan's scheme aimed to increase interest in Mathematical Research.

UCL Transition Mentor Scheme

- Mentor for 1st Year Maths Students *2015*

Teaching at Aloha College

- Preparing Year 8 and 9 Students for Mathematics Competitions *2012*

OTHER

- Languages: Farsi, English, Spanish and German
- FA Level 1 Certificate in Coaching Football