

XINYI XU

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EDUCATION

PhD in Mathematics, London School of Economics **2018 – Present**

Research topic: Graph theory and structural graph theory.

Supervisors: Professor Jan van den Heuvel / Professor Graham Brightwell.

Msci Mathematics with Economics, University College London, UK **2014 – 2018**

Final year project: Counting Independent Sets in Graphs, supervised by Dr John Talbot.

Final Results: First class awarded. Awarded departmental mathematical prize in the first year.

Attended the International Mathematics Competition representing UCL.

Studied abroad at University of Toronto, Canada during 2016-2017 and was awarded honorable prize at U of T Annual Undergrad Mathematics Competition.

No.4 High School and Qingdao HongGuang Foreign Language School, China **2012 – 2014**

Awarded gold prize (Zhejiang Province) in Chinese High School League Mathematics Competition.

A-Levels: Mathematics (A*); Further Mathematics (A*); Physics (A).

PROJECT EXPERIENCE

Class Teacher, London School of Economics **Jan. 2019 – Present**

Teach weekly class sessions to undergraduates enrolled in relevant courses.

Subjects: Further Quantitative Methods, Introduction to Abstract Mathematics.

Graduate Peer Supporter, London School of Economics **Mar. 2019 – Present**

Provide on-demand support conversations to graduate students and hold weekly on-site hours at LSE life for students need help.

Programme Director, Cantab Academy, UK **Aug. 2017 – Feb. 2020**

Planned and delivered a series of new and existing short programmes for undergraduates / business courses for professionals. Main responsibility including invite potential speakers, contact with service providers, design course manuals, oversee the whole deliver and produce in-course reports.

Leaded other short projects including graduate application support.

Contacted with potential clients and deal with other company needs, including legalisation, company operation and administration.

Assistant to President, TGG Financial, Canada **Jun. 2017 – Jul. 2017**

Sorted existing information with *Act!* software, designed posters and html-5 pages for company.

Project leader, UCLU Mathomaniacs Volunteering Project, UK **Jul. 2015 – Jul. 2016**

Host volunteer training sessions for 20 new volunteers in the autumn term.

Contacted 3 local primary schools and got classrooms to teach their students in the spring term.

Treasurer, UCLU Origami Society, UK **Jul. 2015 – Jul. 2016**

Made society's year expenditure plan and kept weekly accounts.

Hold events for society members in different origami competencies and events with other societies.

Presented society's value & activities at Fresher's fair and got more than 300 freshers interested.

Mathematics Tutor, Newham Collegiate Sixth Form Centre, UK **Dec. 2015 – Mar. 2016**

Lead tutorials to 5-6 students who are good at school mathematics and help them perform better in competition. Receive positive feedback as a good explainer.

Intern Analyst, Red Cross, Gongshu District, China **Jul. 2015 – Aug. 2015**

Managed information of volunteers and kept websites updated. Wrote reports for outdoor visits.

Volunteer, UCLU Mathomaniacs Volunteering Project **Sep. 2014 – Jun. 2015**

Taught primary school students the fun and applications of mathematics.

ACTIVITIES

"Sparsity" DocCourse 2018, Charles University, Czech Republic **Nov. 2018 – Dec. 2018**

Attended a series of lectures provided by experts from combinatorics and related.

Designer, Fusion 2017, University of Toronto Application Development Association **Mar. 2017**

Log keeper, Short film "Side by Side", UTRMB short filming club **Dec. 2016**

Global Citizenship Program – Danube Summer School **Jun. 2016**

Studied basic Bulgarian language and made a video about Bulgarians in London with team.

Enterprise Boot Camp, UCL Advance **Nov. 2015**

Commercial awareness about the modern business environment and financial mathematics.

Global Citizenship Program – People and the Sea, UCL **Jun. 2015**

Team working: Searched through internet and discussed with team members about relationship between Spain and the sea. Argued for Spain in MUN with partners and got good feedback.

LANGUAGE, IT SKILLS & OTHER INTERESTS

Language: Native Speaker of Chinese Mandarin, fluent English.

IT: Adobe InDesign (Graphic Design software), LaTeX, Python, R, Microsoft Software.

Music: Play the piano (for more than 10 years) and the harmonica.

Origami: Design and imitate. Final round player of 2017/8 International Origami Internet Olympiad.

Folded for Zoological Society of London (ZSL) and the Nature History Museum (NHM) for their fundraising events.