

Ruiyan Wang

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Education

Stanford University STANFORD, CA, USA
PhD in Theoretical Chemistry Sept 2023 – Present

University of Cambridge, Trinity College CAMBRIDGE, UK
Class I, BA Degree (Hons 3 yrs), NATURAL SCIENCES TRIPOS (Chemistry) Oct 2020 – June 2023
Part II (year 3) Chemistry (ranked 2/111 in the cohort)
Part IB (year 2) Chemistry A, Chemistry B, Pharmacology (ranked 10/575 in the cohort)
Part IA (year 1) Maths B, Physics, Chemistry, Materials Science (ranked 10/627 in the cohort)
Elected to Junior (2021) and Senior (2022) Scholarship at Trinity College, received the examination prize from Yusuf Hamied Department of Chemistry for three years.

Experience

Stanford University STANFORD, CA, USA
Graduate Teaching Assistant, September 2023 – Present
CHEM 31M (General Chemistry), Fall 2023
CHEM 33 (Introductory Organic Chemistry), Winter 2023

Knowles Lab & Klenerman Lab, Yusuf Hamied Department of Chemistry CAMBRIDGE, UK
Summer Research Student July 2023 – August 2023
Exploratory investigation of pathological protein aggregation patterns on brain images
Image processing and data extraction (scikit-image), model fitting (numpy, scipy, pandas, lmfit, PyMC), web application writing (streamlit), version control, presentation and report
Funded by Trinity College, Cambridge

Blouet Lab, Wellcome-MRC Institute of Metabolic Science CAMBRIDGE, UK
Summer Research Student, Amgen Scholar June 2022 – Sept 2022
Characterisation of the role Cav3.1 T-type calcium channel in leucine sensing in the mediobasal hypothalamus with immunofluorescence
Immunohistochemistry assays, microtome operation, sample preparation, confocal microscopy, image analysis with ImageJ
Funded by the Amgen Foundation through the Amgen Scholars Program
Attended the Annual Symposium (European) and presented in poster sessions

Centre for Climate Repair at Cambridge CAMBRIDGE, UK
Summer Research Student June 2021 – Sept 2021
Greenhouse Gas Removal Evaluation
Literature review, VBA programming in MS Excel

Skills

Natural languages: English (*Fluent*), Chinese Mandarin (*Native*), French (*Basic*)
Basic Knowledge: MATLAB, MySQL, HTML, CSS, ImageJ
Intermediate Knowledge: Python, L^AT_EX, MS Office, Adobe Premiere, Adobe Photoshop
Interests and Hobbies: Reading, Painting, Calligraphy, Photography, Nutrition and Fitness
