

Philipp Wiedemann Curriculum Vitae

<https://philippwiedemann.com> philipp.wiedemann@pmb.ox.ac.uk

Fourth year undergraduate reading for MMath Mathematics at the University of Oxford graduating in 2025

Education

Completed BA component of MMath degree ranking 50 of 142 with 2:1 (highest in classification)

Graduated from Alexandra Park School in 2020 with

A-levels: A*A*AA in mathematics, further mathematics, chemistry, and physics A-level

GCSEs: 6 in English language, 6 in English literature, 9 in mathematics, and a 7 or above in eight other subjects

Awards/Scholarships

Martingale PhD Navigator: Conditional funding from the Martingale Foundation for PhD study

Rokos Award Fund: Secured funding to do an 8-week research internship at the University of Cambridge

Exhibition Scholar: Attained Exhibition scholarship from Pembroke College for exam performance every year

Research Experiences

Summer Research in Mathematics (DAMTP Cambridge Uni.), Researcher July 2023
August "

- Conducted undergraduate research in numerical analysis using MATLAB and gave a presentation on the convergence of orthogonal series under the supervision of Arieh Iserles
- Wrote a report (available for viewing at <https://philippwiedemann.com/PhilTSystem.pdf>)

2022 Xena Project UG Workshop (Imperial College London), Attendee September 2022

- Attended a week of conferences organised by Kevin Buzzard on theorem proving using computer software Lean

Miscellaneous Experiences

Mathematics Subject Dinner (Pembroke College Oxford), Principal Organiser February 2023

- Organised and marketed maths dinner at an Oxford college for alumni and students, including inviting two speakers to give talks

Junior Common Room (Pembroke College Oxford), Merch. Officer (Stash Rep.) October 2022
July 2023

- Designed (using Adobe Photoshop) and marketed college apparel (stash)
- Worked with several outside retailers/distributors to produce college apparel
- Managed distribution and payment for college apparel to 300+ clients

Oxford Hack 2022, Attendee February 2022

- Managed a team project of four people to implement neural networks using TensorFlow to generate compilable code in \LaTeX

Mathematics Undergraduate Rep. Committee (Oxford Uni.), President/Secretary November 2021
November 2023

- Organised and wrote minutes as secretary elect for 21-22 academic year
- Chaired MURC committee meetings; attended departmental meetings to comment on student representation as president elect for 22-23 academic year

Mathematics Tutor August 2020
Present

- Tutored children aged 14-17 A-level and GCSE maths, including further maths; set and marked problem sheets
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Additional Skills & Interests

Foreign Languages: A* in Mandarin GCSE, A in Russian GCSE and A in Japanese GCSE.

Code skills: Experienced in Python (incl. numpy, scipy, sympy). Competent in Mathematica, MATLAB, HTML/CSS and \LaTeX . Novel in C/C++, JavaScript/TypeScript and Lean.

Choir: Tenor voice for Pembroke College Oxford choir since October 2021, attending choir practice twice a week during university term time.