

GEORGE COOTE

Sittingbourne, Kent, United Kingdom \diamond (+44)07580131281 \diamond gc602@cam.ac.uk

EDUCATION

University of Cambridge (PhD Mathematics of Information) *October 2023 – July 2027*

- Part of the Applied Functional and Harmonic Analysis group in the DAMTP. Supervised by Matthew J. Colbrook and Anders C. Hansen.

University of Cambridge (Part III of the Mathematical Tripos) *October 2022 – June 2023*

- **Classification:** Merit
- **Essay:** *Functional Analysis and Computations in Infinite Dimensions* supervised by Anders C. Hansen, achieving an $\alpha+$.

The University of Warwick (BSc Mathematics) *September 2019 – July 2022*

- **Classification:** First Class
- **Third Year Essay:** *Weak Solutions to the Navier Stokes Equations* supervised by José Rodrigo.

Borden Grammar School *September 2012 – June 2019*

SKILLS AND INTERESTS

- Research interests are at the intersection of spectral theory and computability theory. Interested in functional analysis more generally.
- Functional knowledge of Python. Experience of R, MATLAB, Java and MediaWiki. Proficient with \LaTeX .

TEACHING, VOLUNTEERING & MARKING

Supervisor *January 2024–present*

Courses: Part II Topics in Analysis (Lent 2024)

STEP Marker *June–July 2023*

Marked STEP II & III, the undergraduate entrance exam for mathematics at Cambridge.

LINKS

- My ProofWiki portfolio: <https://proofwiki.org/wiki/User:Caliburn/portfolio>
- Personal blog: <https://gc602.user.srcf.net/>

PROJECTS

ProofWiki *August 2017 – ongoing*

Avid contributor to ProofWiki with over 10,000 edits. My work includes proofreading and reworking pages written by other users, and discussing and making decisions on conventions to be used. My recent work has concentrated on functional analysis, particularly TVS theory and the theory of Banach algebras.