

Sam Bowyer

University of St
Andrews
Geography
Student

Sam Bowyer

sammbowyer@outlook.com | 07709 592100

Mill Cottage, Enterkine, Ayr, KA6 5AL

Technical Skills

GIS Software: QGIS, ArcGIS Pro

Programming: Python (geopandas, rasterio, shapely, scikit-learn), R

Data & Visualisation: ggplot2, tidyverse

Spatial Analysis: remote sensing, MCE/weighted overlay, DBSCAN cluster analysis, proximity raster analysis, raster-vector integration

Other Software: Microsoft Office including Excel

Languages: German (proficient)

Education

University of St Andrews / Geography BSc

September 2022 - July 2027 | St Andrews

- **Dissertation:** Planned for 2027- GIS-Based MCE of spatial use conflicts of Scotland's Moray Firth
- **Key modules:** Spatial Analysis with GIS, Data Analysis for physical Geography, Research Design and methods, Geographies of Urban housing, Physical Geography fieldclass.
- **Class Representative:** Student-faculty liaison for Junior honours students on module feedback and academic issues.

Wellington School / National 5 to Advanced Higher

August 2016 - July 2022 | Ayr

Highers (all A): Chemistry, German, English, Mathematics, Modern Studies

Advanced Highers: Chemistry (B), German (B)

Deputy Head Boy, 2021-2022

Experience

University of St Andrews, School of Geography / Careers Events Coordinator

February 2026 - Present | St Andrews

- **Event planning & delivery:** Booking Venues, briefing speakers, managing attendance and oversight of employability events as well as delivering panel discussions.
- **Industry engagement:** Planning and engaging with external speakers to arrange effective and engaging events.
- **Student outreach:** Promotion and advertising to students via internal channels such as lecture notices and school emails to align attendance with the school's efforts.

Royal Navy Reserves / Young Officer (Midshipman)

August 2024 - Present | Rosyth

- **Recruitment:** Planning and running recruitment events across Scotland, assisting potential recruits through the starting process.
- **Operational leadership:** Managing high-profile events for VIPs, as well as leading syndicates in operational exercises and activities.

Royal Navy Reserves / Officer Cadet

January 2024 - August 2024 | Rosyth

- **Initial Naval Training:** Operational strategic studies, Leadership exercises and effective planning and briefing in constrained environments.

Prestwick Sailing Club / Senior Instructor

September 2025 - Present | Prestwick

- **Operational oversight:** Managing day to day instructional operations as well as mentoring the team and being the overall person in charge on location.

Prestwick Sailing Club / Powerboat Instructor

October 2025 - Present | Prestwick

- **Course delivery:** Delivering instruction as a sole instructor to facilitate a safe and practical course.

Prestwick Sailing Club / Dinghy & Race Instructor

August 2020 - Present | Prestwick

- **Instruction:** Planning and delivering single and double hander training to people of all ages and physical abilities.
- **Race training:** Facilitating and delivering advanced high level training to skilled juniors.

Neilson Active Holidays / Beach Team – Sailing

June 2022 - September 2022 | Kalamata, Greece

- **International delivery:** Delivered advanced module instruction and acted as race officer during weekly regattas.

Prestwick Sailing Club / Cadet Captain

December 2019 - November 2022 | Prestwick

- **Programme leadership:** Running the non-instructional side of the cadet programme to keep engagement high.

Qualifications & Certifications

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- RYA Senior Instructor | Dinghy & Race
 - RYA Powerboat Level 2 Instructor
 - RYA Safety Boat
 - RYA Day Skipper
 - First Aid & CPR – RYA, RN, FAA Level 5
 - Safeguarding – RYA
 - Security Clearance – NSVS SC