

Tom Janvier

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PROFILE

Fully bilingual (English/French) data science student with experience in numerical modeling and statistical analysis. Passionate about leveraging analytical and problem-solving skills to tackle complex challenges and drive innovation in the tech and data science industries.

EDUCATION

BSc Data Science — Aberystwyth University

2023 – Present

- Relevant modules: Machine Learning, Algorithm Design and Data Structures, Graphs and Networks, Applied Statistics, Statistical Inference and Linear Models, Probability and Stochastic Processes, Linear Algebra.
- Minor project: built a Python pipeline (Biopython, Pandas, NumPy, SciPy) to analyse stop codon usage across 202,388 bacterial genomes (536M+ coding sequences) from the AllTheBacteria database.
- Identified GC content as the dominant driver of stop codon bias ($r = -0.855$ for TAA, $r = 0.749$ for TGA) and flagged *Bradyrhizobium* as a statistical outlier genus, independently replicating and extending published findings at 130x scale.
- Mathematics Department Peer Guide, supporting fellow students (09/2025 – 06/2026).

French Baccalauréat (Science) — Pontlevoy, France

2023

- A-level equivalent, awarded Mention Bien.
- 18/20 in Mathematics, 16/20 in Physics.

Certifications

- PSC1 (First Aid) — certified in emergency response and CPR (2021).
- BIA (Aeronautics Certificate) — studied meteorology, navigation, and flight safety (2020).

WORK EXPERIENCE

Event Bartender — Tipi

05/2026 – Present

- Provided beverage service at a high-traffic festival environment, working efficiently under pressure during peak service periods.
- Handled transactions and worked as part of a team to set up, stock, and manage the bar throughout events.

Private Tutor (Mathematics & English)

01/2022 – 01/2023

- Delivered one-to-one tutoring tailored to individual student needs.
- Developed strong communication, teaching, and interpersonal skills.

Farm Assistant — Family Grain Farm

2016 – Present

- Assisted with seasonal arable operations — drilling, spraying, and harvest — supporting timely completion of weather-dependent tasks.
- Helped maintain and monitor machinery and equipment, ensuring reliable operation during critical planting and harvest windows.
- Worked within a small team in a demanding, hands-on environment, demonstrating a strong work ethic and adaptability.

Volunteer — Student Welcome Team, University

2025

- Supported incoming students as part of the university welcome programme.

LANGUAGES

- English (Native) — educated in the English-medium UK university system (Aberystwyth).
- French (Native) — raised bilingual; completed full secondary education and the Baccalauréat in the French system (Pontlevoy, France).
- German (Limited working proficiency).

KEY SKILLS

- Programming — Python, R, Java, C.
- Tools & Technologies — Biopython, Pandas, NumPy, SciPy, Matplotlib, Seaborn, Git (version control), algorithms; interest in the Adobe Creative Suite.
- Data Ethics & Governance — data privacy, responsible data handling, information security awareness.
- Cloud & Infrastructure — deployed and manage a personal website (tom-janvier.com) hosted on AWS with custom domain/DNS configuration; set up and administer a Linux-based VM on Oracle Cloud Infrastructure.

INTERESTS & HOBBIES

Basketball, 10 years of experience (teamwork and discipline) • Tennis • Stock markets and financial news • Game design and interactive digital experiences