

Gregory Leeman

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Personal Statement

I am a student at Imperial College London studying for an MSc in Bioinformatics and Systems Biology. My final year undergraduate project, 'fold', is an R based tool to analyse methylation patterns in hairpin-bisulphite treated DNA sequences and can be found at www.gregoryleeman.com/fold.

Education & Qualifications

2019: MSc Bioinformatics and Systems Biology

Imperial College London

2018: BSc Hons Animal Science with a Year in Computer Science (First Class)

University of Nottingham

- Took a variety of modules in the school of Biosciences and Computer Science, including: endocrinology, immunology, genetics, data modelling, database management, image analysis, artificial intelligence and information visualisation.
- Undertook projects utilising Python, R, PHP, SQL and JavaScript (d3.js).
- Awarded the 'Lambing' award for the best dissertation in the topic of Animal Physiology for my final year project 'fold'.

2016: Certificate of required training for personal working under ASPA (Mouse and Rat)

Royal Society of Biology, Kings College London

- Trained and passed examinations on topics including recognition of wellbeing, practical handling, anaesthesia, and humane methods of killing.

2014: A-level Biology (A), Maths (A), Chemistry(B) and Further Maths (C)

The Bishops Stortford High School

Employment History

2017: Animal Technician

Wellcome Trust Sanger Institute, Cambridge

- Worked within a small team to care for hundreds of mice as part of the Mouse Genome Project.
- Operated in a professional, bio-controlled environment to industry standards.

2015-17: Pie Salesman

Brockleby's Pies, Melton Mowbray

- Drove to farmers markets and food festivals across the UK to sell handmade pies to the general public.

2016: Biosciences KTN and BSAS Vacation Scholarship

University of Nottingham Veterinary School

- Conducted a research project exploring the relationship between variations in regulatory regions of *gbp5*, it's expression levels, and tuberculosis resistance in cattle.
- Used lab techniques including PCR, DNA extraction and gel electrophoresis.
- Utilised bioinformatics tools (BLAST, Primer 3) to design DNA primers.

2015: Team Member at McDonalds

Stansted Airport

Other Endeavours

2017-18: Co-founder of the Sutton Bonington code club

- Started a club for staff and students in the Nottingham Bioscience campus interested in learning to programme.
- Gave basic tutorials in Python.

2015-16: Animal Science course representative

- Conducted large student surveys and represented the views of students in staff committee meetings during the annual process of course and module review.

2011-14: Banjo player in folk band '27 Strings'

- Formed a 10-member band while in high school
- Self-published a run of 100 CDs
- Performed live on BBC Three Counties Radio and held concerts at the Royal Observatory, Brownstock Music Festival, and others.

2008-14: Member of Cantate Youth Choir

- Performed at concerts both nationally and internationally.
- Competed at the 2014 world choir games in Riga and won 2 gold medals.

Certifications and references supplied upon request.