

Samuel John Beales

Personal details:

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Profile:

Keen bioinformatician with proven research lab experience in Python, R, and shell scripting. With a commitment to pursuing an analysis-based career, experience in creating single cell sequencing pipelines gained from a six-month research project and dedicated to professional development with personal projects such as creating personal website. Looking to secure a role with a group where I can support pipeline development and use my wide range of computational analysis skills.

Key Skills:

- Enthusiastic and curious keeping up to date with genomics.
- Detailed bioinformatics and biology subject knowledge.
- Experienced in statistical analysis of large single cell RNA seq datasets with wide understanding of the tools used for transcriptomics research.
- Excellent problem solving and analytical skills.
- Commitment to professional development with the development of a personal website as well as interest in inter-disciplinary work.

Education:

Newcastle University 19th September 2022 - 28th July 2023:

MRes Immunobiology and Bioinformatics:

Relevant Modules:

- Bioinformatics for Biomedical Scientists
- Genetics of Common Disease
- Research Skills and Principles for the Biosciences

Project and skills:

Lessons from nature - using human developmental data to inform haematopoietic organoid design.

- Extensive use of Python with Jupyter Lab, and R in Single-cell analysis pipelines.
- Shell scripting for management of a Linux virtual machine and use of containerisation.
- Developed statistical methods for omics study.
- Interpreted personal research data to creatively draw conclusions.

University of Huddersfield 2018-2022:

Biology (Cellular and Molecular) B.S.(Hons): Upper second

St Bede's Catholic School and 6th Form College 2011-2018:

A-level: Biology (C), Chemistry (C), Psychology (C), Core Maths (B)

GCSE: 7 GCSEs at A-C

Continued Professional Development:

- Further omics, statistics and clinical data in R, University of Glasgow, 5 weeks
- Personal website development

Work experience:

Movement to work, DWP 2nd April 2024 – 2nd May 2024

- Assisting customers on computational skills.
- Examining labour market in a customer facing role.
- Liaising with colleagues to meet specific needs of customers.

Handyman, John Beales property services, 1st August 2023 – Present

- Regular handyman work across a wide variety of projects.

Lab Assistant, Lonza Group; 1st September 2020 – 31st August 2021

- Worked under sterile conditions in a professional microbiology lab.
- Maintained lab book with clear scientific language and coordinated own schedule.
- Presented project progress regularly to managers at weekly meetings.
- Used specialist laboratory equipment and wrote SOPs for lab use.

Vice-President, University of Huddersfield Fencing Club; September 2019-2022

- Coached and managed weekly fencing sessions to ensure reliable practice for members.
- Communicated with Students Union and organised club finances to maintain regular stock of functioning equipment for club use.

Academic Representative, University of Huddersfield; September 2018-2020

- Worked to improve the quality of student experience, gathering feedback, attending meetings, and filing issues.

Coding languages:

- Python
- R
- Shell Scripting (Unix, Z Shell)
- HTML 5

References:

Available upon request