Samantha Pendleton BSc

IT GRADUATE | **DATA SCIENTIST**

ABERYSTWYTH, SY23
samanfapendle@outlook.com

github.com/sap218   twitter.com/sap218

PROFILE

Currently studying my Masters postgraduate degree in Data Science after completing my undergraduate degree in IT. I have an extensive set of skills, ranging from data science applications, bioinformatics, IT and communications. I am an organised individual, who works well through fast-paced environments and with colleagues. I have strong experience in assisting individuals, specifically students, throughout my employment and educational practises.

SKILLS

DATA SCIENCE

Bioinformatics, Statistics,
Machine Learning, Data Mining

LANGUAGES

Python & R; HTML, CSS, & PHP;
SQL: PostgreSQL, SQLite, & NoSQL

BUSINESS & COMMUNICATION

System Analyst, Business Planning,
Visualisations and Presentations

IT

Administration, Operating Systems
Cyber Security, Various Software

PROJECTS

» **Postgraduate Masters Dissertation** 2018

"Metagenomics of Acid Soil - a study of long reads" - Bioinformatics (computational biology)
acidoseq: Python (v3.5) package on Acidobacteria; available: https://github.com/sap218/acidoseq

» **Bioinformatics Research** 2017

"An Analysis of current software for nanopore metagenomic data"
Computer Science department at Aberystwyth University; available: https://doi.org/10.1101/288969

EDUCATION

» **MSc (Masters)** candidate in Computer Science 2017-2018 – expected graduation 2019

Data Science at Aberystwyth University
Dissertation: "Metagenomics of Acid Soil – a study of long reads": Python (v3.5) package
              In fulfilment of Masters Degree; Computer Science, Aberystwyth University
Additional: Advisor/Demonstrator, President of Computer Science Society

» **BSc (Bachelors)** graduate in Computer Science 2014-2017

2:1 Business Information Technology at Aberystwyth University
Dissertation: Web Major Project: The Little Cake Box; available: http://users.aber.ac.uk/sap21/
              In fulfilment of the Bachelors Degree; Computer Science, Aberystwyth University
Additional: Demonstrator, Peer Mentor

» **A-levels** 2012-2014
IT (D*D*)   **Home Economics [Health & Social Care]** (M)
Advanced Subsidiary: Mathematics & German   Extra-Curricular: Art

EXPERIENCE

» **Researcher, Bioinformatics**; Aberystwyth University 2017
Project: "An analysis of current state of the art software on nanopore metagenomic data"
                  Poster: https://github.com/sap218/misc

» **Assistant**; Information Services at Hugh Owen Library, Aberystwyth University 2016-2017
Jobs: Assisted staff, attended focus groups, made strategy & floor plans

» **Student Worker**; AberWorks, Aberystwyth University 2016-2018
Jobs: Demonstrator/Advisor, Summer Operative: Ambassador

» **Classroom Assistant**; Rimrose Hope Primary School 2011
Jobs: Helped plus guided pupils

» **Volunteering/Charity Work**; educational environments 2006-2017
Jobs: Environmental work, assisted with charity events, aiding the elderly
               Peer mentor for the Computer Science Department

ACHIEVEMENTS

» **BCS Lovelace Colloquium** attendee 2017 – 2018
-   Finalist ('18):   An analysis of current software for nanopore metagenomic data
-   Attendee ('17):   Making sites attractive
Aberystwyth/Sheffield University Women's Conference; posters: https://github.com/sap218/misc

» **Manual Handling Course** 2016, 2017
Certificate from Aberystwyth University

» **Diversity Certificate** 2016+
Diversity in the workplace training from Aberystwyth University

» **Work Shadowing Volunteer** 2016
Peer Mentor participation at Aberystwyth University; Careers Service Volunteer Work Placement

INTERESTS

I enjoy a wide variety of activities; I appreciate cinematography, reading small fictional novels, and music. I am keen on puzzles; involving video games plus chess. Most of my time is spent on personal projects: I am keen on developing my knowledge in my spare time through web browsing. Projects can be found in my GitHub portfolio; with blogs regarding some of these projects can be found in my personal site here: https://sap218.github.io/.

PUBLICATIONS

"An analysis of current state of the art software on nanopore metagenomic data"
      Samantha C Pendleton   *bioRxiv* 288969; doi: https://doi.org/10.1101/288969
      Note: article is a preprint and has not been peer-reviewed