Samantha Pendleton BSc

IT GRADUATE | **DATA SCIENTIST**

ABERYSTWYTH, SY23

samanfapendle@outlook.com

github.com/sap218   twitter.com/sap218

PROFILE

Currently studying my postgraduate degree in Data Science after completing my undergraduate degree in IT. I have an extensive set of skills, ranging from data science applications, IT, business and communications. I am an organised individual, who works well with colleagues especially through fast-paced environments. I have strong experience in assisting people through my employment and education.

SKILLS

DATA SCIENCE

Bioinformatics, Statistics (modelling), Machine Learning, Data Mining

LANGUAGES

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

BUSINESS & COMMUNICATION

System Analysist, Business Planning, Presentations: slideshows & posters

IT

Administration, Operating Systems Cyber Security, Various Software

PROJECTS

» **Postgraduate Dissertation** Masters project 2018

Project title: TBD
In fulfilment of the Postgraduate Degree; IMPACS & IBERs department at Aberystwyth University

» **Bioinformatics Research** 2017

An Analysis of current software for nanopore metagenomic data
Computer Science and IBERs department at Aberystwyth University
Available: http://github.com/sap218/misc

EDUCATION

» **MSc (Masters)** candidate in Computer Science 2017-2018

Data Science at 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 Website
                 In fulfilment of the Bachelor's Degree; Computer Science at Aberystwyth University
                 Available: http://users.aber.ac.uk/sap21/
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"

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

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

- » **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
  - An Analysis of current software for nanopore metagenomic data – 2018
  - The best user interface designs for the simplest of websites; making sites attractive – 2017
  Poster Presentation at Women's Conference – Aberystwyth University/Sheffield University

- » **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. Personal projects can be found here: https://github.com/sap218 including my personal site with blogs about projects can be found 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: This article is a preprint and has not been peer-reviewed