

Samantha Pendleton BSc

IT GRADUATE | DATA SCIENTIST

ABERYSTWYTH, SY23

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github.com/sap218



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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, and communications. I am an organised individual, who works well with colleagues especially through fast-paced environments. I have strong experience in assisting individuals, including students, throughout my employment and educational experiences.

SKILLS

DATA SCIENCE

Bioinformatics, Statistics,
Machine Learning, Data Mining

BUSINESS & COMMUNICATION

System Analyst, Business Planning,
Presentations: slideshows & posters

LANGUAGES

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

IT

Administration, Operating Systems
Cyber Security, Various Software

PROJECTS

» **Postgraduate Dissertation** 2018

Project title: TBD

Masters project in Bioinformatics (computational biology)

In fulfilment of the Postgraduate Degree; Computer Science department at Aberystwyth University

» **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

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 Bachelors 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"
 Poster: <https://github.com/sap218/misc>
- » **Student Worker;** AberWorks, Aberystwyth University 2016-2018
 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. 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: This article is a preprint and has not been peer-reviewed