Stuart John Watt

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Education and Skills

Robert Gordon University   **MSc Data Science**   **Sep 2019 – Present**

I am currently studying my **MSc in Data Science** at **RGU**, which has been supported by **Data Lab Scotland's MSc scholarship**. The course consists of:

1ˢᵗ Semester	*2ⁿᵈ Semester*	*3ʳᵈ Semester*
Data Mining	**Professional Development and Research Skills**	**MSc Project**
Information Retrieval Systems	**Big Data Analytics and Visualisation**	
Advanced Data Management	**Data Science Development**	
Data Warehousing	**Advanced Data Science**	

In my first semester I have been using computing languages and software such as **R**, **SQL**, **Hadoop** with **Apache Pig**, **SSIS**, **SSAS**, **Power BI** and **RapidMiner.**

The University of Aberdeen   **BSc Hons Physics**   **2015 – 2019**

Obtained **1ˢᵗ Class result** along with the **Greig Prize in Physics** for greatest proficiency in the subject.

I gained the following skills:

- **Analysis and Problem Solving:** Developed by increasing my subject knowledge and using it to solve problems.
- **Mathematics:** Studied a broad range of topics to develop **mathematical skills** in areas such as **algebra**, **calculus** and **statistics**.
- **Computing & Programming:** Experienced **computational programming** and **modelling** in R, **MATLAB, Mathematica, python** and **C++**. My **dissertation** was on implementing **statistical algorithms** for public use through developing an **R package**. Manuscript was produced using **LaTeX** typesetting system.

The University of Aberdeen   **Carnegie Trust Research Scholarship**   **July 2018 – Oct 2018**

Funded summer vacation scholarship on **complex time series analysis** supervised by a distinguished academic in the field of Chaos and Nonlinear Dynamics.

I produced **novel algorithms** for analysing **chaotic** and/or **noisy data**, scripting implementations in **MATLAB** and **C**. I developed skills in **efficient programming** practices due to the computationally intensive nature of the research.

Research resulted in myself co-authoring an **academic paper** "*Permutation Entropy Revisited*" which was **accepted for publication** by the journal "*Chaos, Solitons and Fractals*".

The Open University   **HNC Natural Sciences**   **Sep 2019 – Present**

I developed skills in **time management** and **self-discipline**, as well as **mathematical** and **problem-solving** skills.

Buchan IT and E-Learning Centre   **ECDL Qualification**

I obtained this qualification for proficiency in common **Microsoft software** such as **Word**, **Excel**, and **PowerPoint**.

Employment

The University of Aberdeen   **Tutor**   **Feb 2019 – March 2019**

Delivered weekly tutorial sessions for a 1st year physics module "*PX1513: The Physical Universe B*". I marked and graded student work on a weekly basis.

Aberdeen City Council   **Library Assistant**   **July 2017 – Present**

I worked at various public community libraries in Aberdeen on a summer relief contract and I have continued to work during term time through offer of a casual contract. I received training to assist in providing the wide range of services available to the public through local libraries, including using online databases and catalogues. I have been given the responsibility of operating various community libraries by myself.

JC Sainsburys PLC, Aberdeen   **Customer Assistant**

I was a supermarket general assistant in the fresh foods and grocery departments. I used handsets and computers to update stock inventory records alongside communicating results to management, alongside stock replenishment and responding to customer queries.

Happy Plant Garden Centre,   **Customer Assistant**
Mintlaw, Aberdeenshire

I was employed for a temporary seasonal role by the gifts and garden centre as a member of staff working in the electronics department. I spent most of my time helping customers with queries, but I also worked at the tills and helped in decorating the store for the festive season.

References

Available on request.