

# Stuart John Watt

Aberdeen | stuart\_watt@yahoo.com

## 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:

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

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**.

<b>Employment</b>
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**The University of Aberdeen****Tutor****Feb 2019 – March 2019**

Delivered weekly tutorial sessions for a 1<sup>st</sup> 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,  
Mintlaw, Aberdeenshire****Customer Assistant**

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.

<b>References</b>
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Available on request.