Matthew Leadbetter
Curriculum vitae

INTRODUCTION

I currently work as a Data Scientist. I am from a computer science background but have a passion for maths and enojy following online courses (e.g. MIT open courseware) and read around the subject.

WORK EXPERIENCE

2015 – PRESENT

Ocado, Hatfield
Data Scientist

Currently assisting Ocado with data science projects.

2013 – 2015

Switch Concepts, Southampton
Developer

Worked in many areas of software development for the product, spending most time in data. While I have worked here I have developed these skills: Hadoop, SQL, Python, C++, C, git, Agile Methodologies, and BASH. I have also had limited exposure to R, PHP and Javascript.

During my recent annual review I was praised for my strong interpersonal skills. Switch also value my strong knowledge of algorithms and mathematics and often consult me on these areas. While at Switch I have:

- Designed and coded an algorithm to predict what price advertisers would bid on different traffic with the support of another developer. This lead to an approximate median of 30% increase in revenue for our clients.

- I designed and produced C++ code that will process data prior to entering Hadoop, which was crucial for being able to use additional data generated by a new feature.

- Prior to being moved into the data team I helped create and maintain several other software products in other key areas of the business.

- On a personal note I routinely got people in the company to socialise outside of work.

2010 – 2011

Aberystwyth University
Computer Science Advisory Service

I provided help and advice to undergraduates using this service on their work and projects.

SELF LEARNING

In my own time I enjoy reading about mathematics and have followed a few online courses for example MIT Open Courseware.

I have also completed Andrew Ng's machine learning course on Coursera, which was excellent.

I enjoy following data science contests on Kaggle and have played with some of the data for several of the competitions.

EDUCATION

2012 – 2013	**Bioinformatics** PHD - UNFINISHED *University of Aberystwyth*
2010 – 2011	**Artificial Intelligence** MSC - MERIT *University of Aberystwyth*
2006 – 2010	**Computer Science and Artificial Intelligence** BSC - 2:2 *University of Aberystwyth*

SKILLS

STRONG	Machine Learning, Algorithms, C++, Linux, git, shell, Python, BASH, Agile, TDD, BDD
INTERMEDIATE	Maths, Discrete Optimisation, Hadoop, Hive, MySQL, Matlab/Octave, LaTeX, UML, C
BASIC LEVEL	Windows, R

INTERESTS

I have been practicing magic for the past 9 years, am a qualified windsurfing instructor and PADI advanced open water diver. I enjoy music and have taught myself to play the piano and several other instruments to a lower skill level.

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