

William Seaford

Taunton, Somerset, TA1 2EZ • +44 (0) 7561 358 418
www.willseaford.co.uk • willseaford[AT]gmail[DOT]com
www.github.org/wc4d

Skill Set

Languages

Java
C
Python
Visual Basic

Web Scripting

HTML
CSS
PHP
Javascript

Data Science

Matlab
R
Mathematica

Specialist Java

Hadoop(Map/Reduce)
EJB

Databases

SQL

Operating Systems

Linux
Windows

Dissertation

Exploration of fractional routing

Investigated the effects of bottlenecking within a butterfly network graph. Took an in depth look at the research paper "network routing capacity" by J.Cannons and extracted the algorithm proposed, applying towards the network graph and examined the effects certain edges with limited capacity has on the routing capacity. Topic included a review of network coding (coding information as a function at the node) and featured strong use of linear programming within Mathematica. Grade A achieved with comments made by examiners praising use of critical thinking and approach to a technically hard subject.

Education

September 2012 - July 2015

Queen Mary, University of London
2:1 BSc Computer Science(Hons)

September 2010 - August 2012

Richard Huish College
A/Level: Economics, Psychology, Mathematics
AS/Level: Business Studies, Computing, Extended Project Qualification(EPQ)

September 2005 - August 2010

Bishop Fox's Community Secondary School
A*-C GCSE's including English and Mathematics

Past Projects

- Involved in group projects creating a hospital/GP database system, weather application graphical user interface and completing data mining tasks on Kaggle.
- Other projects include client/server chat room.
- High interest in solving problems posed on websites such Project-Euler, Code wars and various forum boards.

Previous Work

October 2015 - January 2016

Retail Associate
TK Maxx

Duties included cashiering, maintaining tidiness of shop floor and specifically chosen for and entrusted with security tagging and ticketing stock to return to the shop floor.

Customer relation skills were developed during this period alongside time management and team working.

October 2015 - January 2016

Retail Assistant
The Entertainer

Duties included cashiering, maintaining tidiness of shop floor, processing delivery and helping to satisfy customer needs

During this period I developed my team working skills and scheduling skills having to work between two jobs, alongside TK Maxx.

September 2014 - April 2015

Student Ambassador
School of Electronic Engineering & Computer Science, Queen Mary, University of London

Duties included giving warm welcomes to perspective students, parents and third party delegates, guiding in tours around the school and the wider university and answering any questions which may arise in relation towards the university. Spoke in lectures for up to 150 people. Quickly rose to be regarded as a senior in the short period employed.

During this period I developed good public speaking skills and critical leadership skills in coordinating co-workers and large groups of perspective students around. Also exercised strong client based communication skills.

References are available upon request