

# William Seaford

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[www.github.org/wc4d](https://www.github.org/wc4d)

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## 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 towards the network graph and examined the effects certain edges with limited capacity has on the routing capacity. Featured strong use of linear programming within Mathematica.

## 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.

## **Transferable Skills**

References are available upon request