

# William Seaford

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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 GCSEs including English and Mathematics

## Past projects

- Involved in a group project creating a hospital/GP database system.
- Other projects include creating a simple client/server chat room to test out networking and small programming solutions to brain teaser problems.

References are available upon request