

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, 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.

Transferable Skills

References are available upon request