

Hello, I'm

TOM RUSSELL

PERSONAL DETAILS

Name: Thomas Stephen Russell
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PROFESSIONAL PROFILE

I am a self-motivated, pragmatic software engineer with keen problem-solving and mathematical skills. My experimentation with programming at an early age has resulted in me developing skills crucial to successful software engineering; such as effective communication within code (comments, variable names, etc.) and the importance of selecting efficient algorithms and data structures, alongside producing concise code.

I particularly enjoy working with C++, and delight in its simultaneously high- and low-level feature sets. I am experienced with principles of OOP along with C++-specific idioms such as RAII. I also have experience with multithreaded application development, network programming and both Win32 and POSIX.

WORK EXPERIENCE

Software Engineer August 2011 - December 2013
ViewSat

My role in ViewSat as a software engineer was to design and develop a data management system to be used for storage and analysis of information specific to the telecommunications work at ViewSat. The data management system was fully networked and incorporated a client-server architecture with multiple threads for UI and Data management.

The software was developed in native C++ using Microsoft's MFC API and made extensive use of the C++11 standard library and language features.

Instrument Integrations Department Experience October 2010
Rutherford Appleton Laboratories

During my work experience at RAL I worked in the Instrument Integrations department under Dr. Tim Nicholls; my roles there included doing throughput profiling 10GigE network cards along with doing performance analysis of various network protocols on various layers of the TCP stack along with designing and analysing a basic UDP-based application layer protocol. I then presented my findings in a brief paper for use towards the T2K experiment in Japan.

EDUCATION

Physics (MPhys) - Oxford University
2013-Present

5 A-levels (Grades on Request)
2011-2013

10 GCSEs (Grades on Request)
2008-2010

Other Certifications

FSMQ - Further Maths Qualification
CiDA+ - I.C.T. Diploma

SKILLSET

C++/C
Extensive Skillset

MFC/Win32 API
Advanced Knowledge

VB.NET/Java/Python
Moderate Experience


Graphic Design
Moderate Experience

Mathematica
Moderate Experience

LINKS

 [linkedin.com/in/thomasrussell95](https://www.linkedin.com/in/thomasrussell95)

 careers.stackoverflow.com/shaktal

 graphicriver.net/user/Shaktal

REFERENCES

Available on request