

David W. Roberts

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technical_skills

Java

Experience: Completed several medium to large projects, good OO design skills and experience with various APIs (JDBC, LWJGL, MigLayout, Apache Commons)

.NET

Including competency with: C#, VB.NET, Managed C++, Winforms.

Experience: Competent OO design skills and experience working with large internal codebases (C#)

C++

Experience: Experience with OOP and numerous libraries (Boost, Irrlicht, DirectInput, FMOD, GLFW). Competent/proficient with the language as a whole

Misc.

Version control: experience with Subversion (proficient), Sourcesafe (novice), Team Foundation server (novice) and Git (competent).

Side projects/languages: Novice x86 assembly and beginner with Erlang

experience->professional

Data Interchange Plc (Internship, summer 2011)

Role: Junior developer, C#

Duties: Working with a large internal codebase, I designed and implemented a new PDF printing output. This involved refactoring existing print code across many subsystems (also involving ASP.NET systems) so that multiple products could support the new PDF output.

Voluntary Action Rutland (2008 - present)

Role: Voluntary developer / maintainer

Duties: Implemented a complex transport coordination system to replace an older (council-run) system which was deactivated. The system I developed is entitled 'CARS' (Call And Ride System) which is implemented with a mixture of Java and Microsoft Access/VBA. I continue to remotely maintain and support the system

experience->informal

Ludum dare game competitions¹: Entrant in April 2007 (48 hour game competition) and December 2010 (72 hour game jam).

Open source: Over time I've open sourced various smaller projects. Of those still available is a project entitled Xoj2Pdf, which converts Xournal (<http://xournal.sourceforge.net/>) files to PDF. The project can be found at <https://github.com/DavidR91/xoj2pdf>

education

Degree: BSc Software Engineering, Durham University (2009-2012).

- Member of the winning team of the IBM University Team Challenge Prize (2011). My role on the team was as implementation lead
- Scott Logic prize winner 2011 (prizes given to the top five students in the second year of study)

Secondary school: Bourne Grammar school (2002-2009).

- A-levels (A2): Computing (A), History (B), General Studies (B), Theatre Studies (C)
- 12 GCSEs including 4 A*s (English, English Literature, Physics and History), 2 As (Maths and Biology) 5 Bs (Chemistry, Drama, Graphics, IT and RE) and 1 C (Art)
- Participated in the heats of the British Informatics Olympiad (BIO) twice in 2006 and 2008 (<http://www.olympiad.org.uk/>)

¹ <http://ludumdare.com/>