

## Alan David Hazelden

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CONTACT INFORMATION      53 Kingsland Avenue      *Phone:*      07974 964688  
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Coventry      *Website:*      www.draknek.org  
CV5 8DY

INTRODUCTION      I am a programmer with particular experience in real-time interactive systems and web development. I have been developing games in my spare time since 2006 and am proficient in Actionscript 3, PHP and C++.

EDUCATION      **University of Warwick:** MEng Computer Science (First Class)

- Graduated July 2009
- Modules included compiler design, computer graphics and the design and analysis of algorithms
- Third year project: 2D physics sandbox  
    A 2D physics engine and sandbox written in C++.
- Fourth year group project: Large Polygon Collider  
    A 2D and 3D physics engine and sandbox written in C++.  
    I led the development team of five people as project manager, API designer and lead programmer.  
    More information including video footage can be found at [lpc.draknek.org](http://lpc.draknek.org).

**Redcliffe Sixth Form Centre, Bristol:** A-levels

- Mathematics; Physics: A
- Further Mathematics; Computing: B

EMPLOYMENT      **ComputerMinds Limited**      September 2010 to present  
    PHP developer working with Drupal to create websites to clients' specifications.

**Jalfrezi Software**      August 2009 to May 2010  
    Developed a multithreaded Java virtual machine for applications written in XSLT.

**SARL Cyberporte**      June 2003 to December 2003  
    Developed a custom CAD package to design conservatory roofs using object oriented Perl.

**SARL Cyberporte**      Work Experience June 2002  
    Developed and maintained websites for clients using HTML, CSS and server-side Perl.

PERSONAL PROJECTS      **Over 30 game projects**      2006 to present  
    I have developed games in C++, Java and Flash, using a variety of libraries and tools. This includes both group and individual projects.  
    My game portfolio is available at [www.draknek.org/games](http://www.draknek.org/games).

**FlashPunk** August 2011 to present  
I am the current maintainer of a popular open source Flash game engine.

**ezConvert** 2004 to 2007  
I was the maintainer and primary developer of an open source project for importing posts and users into phpBB 2 by indexing and parsing the HTML output of another forum.

EXTRA-  
CURRICULAR  
ACTIVITIES

**Warwick Game Design**

- Events Officer 2007-2008
- Secretary 2008-2009
- Organised talks, competitions and other events
- Competed in termly 48 hour game development competitions in teams of two or three
- Led a development team of six people for a year-long game project
- Gave lectures on C++, game programming and physics simulation

**Warwick Juggling Society**

- Webmaster 2007-2009
- Taught workshops for beginner and intermediate ball and club jugglers

**The Assassins' Guild**

- Webmaster 2007-2009
- Secretary 2008-2009
- Organised and participated in games involving up to 50 people

**Charity fundraising**

- Hitchhiked to central Poland in 36 hours without spending anything in November 2008
- Sponsored head shave in January 2008
- Sponsored bungee jump in June 2006

AWARDS

**Computer Science**

- IBM Student Recognition Award 2007 & 2008 for outstanding academic excellence

**A-levels**

- Bristol Lord Mayor's Award for Outstanding Educational Achievement 2005

**Mathematics**

- 9 certificates for success in national maths competitions and challenges, 1997-2004

TECHNICAL  
SKILLS

ActionScript 3, PHP, Drupal, Javascript, C++, Java, Perl, Linux, HTML, CSS, XSLT

PROFESSIONAL  
SKILLS

Project management, team working, public speaking, debugging, optimisation

INTERESTS

Physics simulation, juggling, logic puzzles, reading, mathematics