

Andrew Ingram

Profile

University of Warwick Computer Science graduate with a keen interest in web design and development, eager to work in a professional team, keeping in touch with new technologies and design ideas, applying them to real situations. Has a passion for producing sites with high usability and visual appeal, being meticulous in even the most minor details. Actively enjoys the challenge of solving problems and finding the most elegant solutions to them.

- Advanced knowledge of XHTML/CSS and web standards, use of appropriate markup to represent the semantic structure and content of a page whilst enforcing a modular approach to site design where content, style and behaviour are separated in order to maximise usability and ease-of-maintenance.
- Experienced using accessible Javascript for DOM manipulation, including use of the Prototype library and Script.aculo.us. Also knowledgeable of alternative libraries such as YUI, JQuery and mootools.
- Awareness of current web development trends including the use of AJAX (and other non-obtrusive site enhancements) and specific uses of semantic mark-up (e.g. Microformats).
- Experience producing designs that adhere to accessibility requirements (Section 508, WCAG) as well as experience overcoming the difficulties associated with producing an accessible site. Extremely conscious about methods of making sites accessible to disabled users (to conform with the Disability Discrimination Act) and the compromises that must sometimes be made.
- Keen interest in typography, use of colour, grid layouts and other design principles.
- Experienced with graphics applications, such as Adobe Photoshop and Jasc/Corel Paint Shop Pro
- Experienced with web design tools such as Microsoft FrontPage and Macromedia Dreamweaver
- Extensive Java programming experience from degree programming, including knowledge of multi-threading, Swing and JUnit.
- Working knowledge of Perl, PHP, JavaScript and ActionScript.
- Understanding of using XML for simple storage of structured data and using XSLT/XPATH to display the data in useful formats.
- Knowledge of content management systems such as Wordpress, Expression Engine and Drupal as well as some experience using bespoke content management solutions.
- Extensive knowledge of Microsoft Office Suite, including Word, Excel, PowerPoint and Publisher.
- Working knowledge of other Desktop Publishing applications such as QuarkXPress and Adobe InDesign.
- Understanding of web analytics tools such as Google Analytics and Mint and how they can be used to directly influence improvements to a site, particularly with regards to Search Engine Optimisation.

Personal Details

- Full Name: Andrew Jonathan Ingram
- Date of Birth: 10th July 1984

- Gender: Male
- Marital Status: Single
- Full, Clean UK Driving License
- Telephone: 01952 55007 (after February 2007); Mobile: 07967-973005
- Email: andy@andrewingram.net.

Education

University of Warwick, September 2002 to June 2006

- Computer Science MEng Hons. 2.1
 - Introduction to Software Engineering (software development methodologies)
 - Distributed Multimedia Systems (image, audio and video compression techniques)
 - Programming for Computer Scientists (Bash scripting and Unix/Linux)
 - Human-Computer Interaction (perception, design of user interfaces)
 - Database Systems (design of efficient databases, particularly with regard to SQL, use of Oracle)
 - Artificial Intelligence (emphasis on search algorithms such as A* and general AI principles)
 - Engineering Business Management (project management methodologies, introduction to business law and human resources)
 - Research Directions in Computing (Bioinformatics, Quantum Computer, Game Theory and Web Metrics)
 - Theory of Databases (Alternate relational languages such as EDDI and Tutorial D, mathematical rules of databases)
 - 3rd Year Individual Project developing a Java application to permit the demonstration of Emergent Artificial Intelligence, including the development of a full application within a strict deadline
 - 4th Year Group Project developing a utility to permit the fault-tolerance testing of Java programs including control systems, gaining valuable experience of working in a project team. Included an extensive user interface using SWING.
 - Many of the degree modules required essays and technical reports to be written which allowed development of skills in a variety of writing styles and with varying levels of technicality.

Adams' Grammar School, September 1995 to June 2002

- A-Levels (June 2002):
 - Maths: A
 - Physics: A
 - Further Maths: B
 - Design (AS Level): B
 - General Studies: C
- GCSEs – 2A*, 5A, 3B, 1C (June 2000).

Professional Experience

Communications Office, University of Warwick, January 2007 to Present (Temp Work)

- Responsible for updating the university's online calendar for 2007 using their in-house Sitebuilder content management system.

E-Lab, University of Warwick, February 2005 to Present (Temp Work)

- Responsibilities include the mark-up and style sheets for the University's blog system in order to improve accessibility and browser support, as well as producing new designs.

Op-Tec Systems Ltd, Summer 2002 to Present (Summer vacations, Part-time)

- Designed company website, including on-going updates and improvements; produced SCADA and distributed control system process plant mimics and control configuration data entry.

Readwell Press Ltd, Summer 1999 (Work Experience)

- Gained experience with print-based design processes and working practices, as well as performing data entry and stock-taking.

Interests

- Playing Ultimate Frisbee, both competitively and recreationally, helping me to understand the role of the individual in a team effort. I played for the University of Warwick First Team.
- Playing the guitar and keyboard provide me with a fulfilling way to spend my free time and the opportunity to constantly learn new ideas and techniques.
- Designing levels for videogames has given me the satisfaction of producing something that other people have enjoyed, as well as gaining valuable experience of the creative process.