

Curriculum Vitae

Justyn James Spooner

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Key Skills

- ❖ **Web Development – CSS, HTML, JavaScript, MySQL, PHP**
- ❖ **Netbeans, Dreamweaver, Fireworks, Illustrator, Wordpress**
- ❖ **Excellent client communication skills**
- ❖ **Small Business IT Management**
- ❖ **Artificial Intelligence Strategies and Techniques**

Objective

My experience as a self-employed web developer has trained me in the art of time management and work commitment. I have a strong history of programming which has developed across many languages over the years. To me, programming is a skill which involves clear thinking, planning, and an eye for seeing the solution to problems amid the chaos of the task. I thrive in solving these problems and enjoy the way in which the web industry produces challenges that keep me building on my knowledge and adapting to the changes in technology.

I now want to work on larger projects with other professionals so that I can improve myself as a web developer. I feel that in this environment I can improve my knowledge faster and become a real asset to those around me. I am a focused, dedicated individual capable of taking on the responsibility of working to deadlines and producing high quality results.

Education

University of Birmingham

2006–2007	MSc in Natural Computation - Completed with Merit
2003–2006	BSc in Artificial Intelligence and Computer Science - Class 2.1 (Hons)

The Archbishops School, Canterbury

2001–2002	A Levels	ICT (Grade B), Geography (Grade B), Art (Grade C)
2000-2001	AS Level	English (Grade B)
1995-2000	GCSE	Geography (A), English Speaking and Listening (A), Statistics (B), Science Double Award (B), English Lang (B), Maths (B), French (B), Music (B), Art (B), English Lit (C), Religious Education (C)

Work Experience

WEBSITE DESIGN AND IT CONSULTANCY

- 2009** Website design and development for Leamington Spa based Cupcake business.
Little Miss Cupcakes –WordPress based Site- Work in progress
- 2009** Freelance Web Developer for IEDesign – Leading Web Design company based in Birmingham.
My roles involved developing a Kentico CMS, CSS theming sites based on storyboard designs and fixing other javascript and PHP issues within existing projects.
- 2009** Website design and development for mobile beauty service based in Kent, UK.
See www.beautiliciousmakeup.co.uk
- 2008** Website design and development for Canadian based company - Think Wood Industries.
See www.thinkwoodindustries.com.
- 2007–08** Responsible for complete redesign and development of Global Impacts Ltd website.
See www.globalimpacts.co.uk.
- 2005-06** Website design and development for Euromac Building Systems.
- 2005** Website design and development of robotics module for Year 2 undergraduates in AI and Computer Science.
- 2004** Website design and development for Hampton Designs Ltd.
See www.hamptondesigns.co.uk.
- 2003-04** Website design and development for North London Jewish Football Club.
- 2002 to date** Retained IT Consultant for Global Impacts Ltd managing and maintaining computer hardware and software.
- 1999** Work experience in design with The Roger Wenn Partnership Limited (Architects), Canterbury.

PROGRAMMING

- 2009** Asterisk-Java automated mobile phone data gatherer written for The Phone Unlockers
- 2009** Fully automated “over the phone” Nokia mobile phone unlocking service written using Java for AGM Telecommunications
- 2008** C++ Programmer for Blitz Games Studios.
- 2008** Design and development of a prototype AI fish school simulation for the purpose of self development in C++ and directX.
- 2007** Final MSc Thesis targeted specifically at commercial application with supermarkets to help solve product-to-shelf allocation problems - “An Investigation of Hybrid Ant Colony Optimisation Algorithms with Negative Pheromone for Solving the Product-to-Shelf Allocation Problem” - Program designed and coded in Java.
- 2003-06** Numerous programming projects for BSc course, including co-management of a team programming exercise.

Skills

PROGRAMMING EXPERIENCE

Web Languages

I have strong skills in professional website design and development using CSS, HTML, Flash, PHP and Javascript. I have experience using Netbeans, Dreamweaver, Photoshop, Illustrator, Fireworks and WordPress.

Java

Java was the primary language for software development during my four years at university. This allowed me to develop an adept understanding of object-orientated programming. My BSc Dissertation involved coding a real-time simulation of an evolutionary ant colony with respect to solving search issues in Real Time Strategy games. This included visual and statistical feedback to monitor the performance of the colony's search behaviour over time. My MSc thesis also used the same techniques to solve a combinatorial optimisation problem (known as the Product-to-Shelf Allocation Problem). The thesis was awarded a distinction.

C++

I have experience in games programming, including areas such as, 3D Math, Physics, Particle Effects, Collision Detection, Shaders and Lighting. All C++ projects were coded using Microsoft Visual Studio.

VRML

As part of my BSc I was taught how to use the web based 3D modelling language - VRML. This resulted in the creation of a fully interactive first person shooter game.

Pop11/Poplog

This is a procedural programming language that I used for the development of early AI concepts within the first year of the BSc degree. Projects involved recreating the game of Master Mind, coding the Cannibals and Missionaries River Crossing Conundrum and a Natural Language Processor for interacting with a Blocks World environment.

Prolog

My University courses included a planning and natural language processing module which required learning Prolog. Continuous assessment resulted in a number of projects being submitted including a natural language parser, route-finding procedure and an implementation of the STRIPS Planning Algorithm for the blocks world environment.

Other Interests

Aside from web design, my two main hobbies are fire spinning and power kiting. I have been practising both since 1999 and while at the University of Birmingham I assisted the Power Kiting Society (KiteSoc) in teaching its new members the basics of kiting. I have performed in a number of fire spinning displays including the Vale Festival in Birmingham. I am a keen player of tennis and enjoy the competition and satisfaction of playing to a good standard. I have a strong passion for gaming and in particular I am member and administrator of an online gaming community where I gain great pleasure from organising and interacting with other players.

Referees

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