Daniel Winterstein
Curriculum Vitae

Age: 27
Address: 2F2, 12 Lonsdale Terrace
                Edinburgh, EH3 9HN
Telephone: 0131 221 0787
E-mail: daniel.winterstein@gmail.com

A post-graduate (qualified in Artificial Intelligence and mathematics) with one year's professional experience – but many years of programming experience. I learn quickly and work reliably. I am looking for interesting and challenging work. My ideal job would involve both creative and technical aspects. I am particularly interested in applying AI techniques to deliver improved game-worlds, characters and story-lines.

Education

2000-2004   Edinburgh University: Ph.D. in Informatics
               Nominated for the British Computer Society Distinguished Dissertation Award
               This involved creating a teaching system for advanced mathematics, built around a theorem prover and an innovative visual logic. I have published six peer-reviewed conference papers on my work.

1999-2000   Edinburgh University: M.Sc. (distinction) in Artificial Intelligence

1996-1999   Cambridge University: B.A.+M.A., 1st class Honours in Mathematics,
               Awarded title of Scholar of Trinity Hall College. Specialised in geometry.

1993-1995   Richmond Upon Thames College
               4 'A' Levels - Maths (A), Further Maths (A), Physics (A), History (A)

I also have a clean driving license and a 1 star canoing certificate.

Work

2005   Science Columnist (ongoing part-time), The Scotsman newspaper.
               Writing a monthly column on technology for this national broadsheet.

               JavaScript Teacher (ongoing part-time), Edinburgh University.

2005   Demo Developer in the Dept. of A.I., Edinburgh University.
               Producing a demo of A.I. techniques for display in the Museum of Scotland. This involved game design and programming, using a mix of C and Java.

2005	A.I. Consultant, Motorola, *solving a network maintenance problem.*

2004   Software Developer in the Dept. of A.I., Edinburgh University.
              This involved the development and implementation of a sophisticated IDE using Java and Eclipse. Skills involved: GUI programming, parsing, working with xml, and networking.

2003-2004   A.I. Consultant to the Arts College, Edinburgh University
              We used A.I. techniques to investigate the college's recruitment problems, and thus developed a specific policy with supporting information tools that would help them to achieve their objectives.

2000-2003   University Tutor in Informatics, teaching a wide range of courses, including programming (Java, Perl, and Prolog), theoretical linguistics, introduction to AI, and logic for philosophers.
              Tutoring – which I greatly enjoyed – requires both a good knowledge of the subject, and the ability to communicate technical ideas.

Summer 1999   Web designer and administrator at Micromuse
Summer 1998   *Micromuse are a billion-dollar company producing network stability software. My job involved responsibility for the company web-site, including page design, server maintenance and CGI / database programming.*

1996   Primary school teacher at Chauntra Tibetan Refugee School, India

1995   Receptionist at Charing Cross Hospital
              Working on the private ward, where good presentation and a friendly manner were important.

Computer Skills

I have programming experience in a variety of languages:
        Java, C/C++, Lisp, Prolog, Perl and Python.
I have tutored students in Prolog and Perl, developed large-scale projects in Java and Lisp, used Perl and Python in web-design and data-analysis jobs, and sold shareware games written in C++.
I have worked with a wide range of web-related technologies:
        (D)HTML, Javascript, CSS, SVG, XML, XSL, SQL and CGI.
I also have some experience at graphic design using Paintshop Pro 7.

Activities

Gaming
Real-time strategy: currently Ground Control 2; all-time favourite: Red Alert 2.
FPS: current favourites: Max Payne 2, Medal of Honour series.
Strategy: Go, Civilisation.

Writing

Creative writing is an ongoing (occasionally semi-professional) hobby. I enjoy writing in several different forms:

- Theatre (with pieces performed at the Bedlam and the Traverse theatres)
- Comedy sketches (freelance writer for BBC Radio Scotland's 'The Why Front' and The Stand's 'Melting Pot')
- Short stories
- Journalism (theatre critic for Fest paper, editor for Edinburgh University AI magazine)
- I have also been involved as editor or designer in several student magazines.

Some critical responses to my work:

- "Superb... great characterisation, sparkling dialogue and solid structure" - *Edinburgh Evening News*
- "Winterstein has talent... witty language and polemical vigour" – *EdinburghGuide.com*
- "Darkly comical" - *Health Service Journal*
- "The winning piece was ideal... proves that this is a showcase for new talent." – *EdinburghGuide.com*
- "Worth seeking out... Winterstein keeps the action flowing" – *Edinburgh Evening News*
- "Interesting & eclectic" – *The Guardian*

Sports

Swimming, cycling, Karate (green belt) and occasionally climbing. Rowed (badly) and played table-tennis for my college as an undergraduate.

Other Activities

Member of People & Planet and the Green Party; started a campaign to 'green the curriculum'.
Gave talks for 'Target Schools' encouraging state school students to apply to Oxbridge.
Youth group organiser (for BBYO), and taught for two years at synagogue Sunday school.
I have also travelled wildly, and enjoy playing the guitar.