

James Fisher

Date of birth 5th October 1987
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I am a perfectionist developer and designer currently completing an MSc in Computing Science. I am equally comfortable in the arts and the sciences. I like problems and will attack them until solved. I like to communicate in paint, print, and Python.

Skills

- **An understanding of algorithmics and a comfortableness with formalism.** I am familiar with Big-O notation. I enjoy playing with and implementing algorithms for their own sake. I have an interest in formal verification, which is the topic of my MSc individual project.
- **An impeccable grasp of the English language.** I write for pleasure, and enjoy communicating ideas with flair, clarity and concision. I believe this is a prerequisite of being an effective programmer.
- **An eye for aesthetics, design, and presentation.** I adore understated typography, functional communication, and interactive design. I not only apply these principles to documents I produce for print and for the web, but apply graphical and spatial thinking to general problem-solving.
- **Problem-solving and strategic thinking.** I will thrive in an intellectually challenging workplace. I strive to eliminate routine tasks.
- I have I.T. experience of the following, with varying familiarity:

Systems langs. (C, C++, Go, D)	Scripting langs. (Python, PHP)	Functional langs. (Haskell)
Javascript, CoffeeScript	jQuery, jQuery UI	Apache, NodeJS, MVC (Django)
HTML5, CSS3, XML, JSON, <i>etc.</i>	Revision control (git, svn)	Testing (xUnit, TDD)
SQL, MySQL, PostgreSQL	Photoshop, The GIMP, Inkscape	TEX, L ^A TEX
OpenOffice, MS Office	Linux, Windows	Networking (small-scale)

Education

2010–Sep. '11	Master of Science degree in Computing Science at Imperial College London . Provisional distinction in exams. Individual project ('Verifying concurrent indexes') in progress.	
2006–9	Bachelor of Arts degree, with first-class honors, in History, at the University of York . Dissertation: 'a retrospective survey of artificial sensory mechanisms'.	
2004–6	Achieved the following A-levels:	
	Grade	Institution
	Subjects	
	A	History, Computing, General Studies
	B	Physics, Mathematics, Art and Design
2002–4	Eleven GCSEs at Colchester Royal Grammar School.	

Previous work and achievements

2006–present	<p>Director and Secretary of Lexden Montessori Ltd., the family business. In these roles I have overseen, among other things,</p> <ul style="list-style-type: none">• Business planning. From the outset I have been involved in the company's expansion and direction of growth. I understand the requirements and challenges of a small business.• Market research and advertising in multiple media (print, web, radio, and others). I have learned, by success and failure, how to think from a customer's perspective.• Administration and secretarial duties. The follies of schematizing, sorting, and cross-referencing paperwork led me towards the real power of the computer.• Web design and maintenance for http://www.lexdenmontessori.com/.
2010	Branding for Pembroke House (http://www.pembrokehouse.sc.ke/), a Kenyan prep school.
2010	Branding and web design for Harambee Schools Kenya (http://www.hsk.org.uk/), a charity building schools around Gilgil in rural Kenya.
2009	Developing an internal database-driven system for managing care homes and CSCI reports for Caring Homes Ltd.
2008	Various responsibilities at Caring Homes Ltd., including: accountancy and financial planning, due diligence, insurance of plant, and remote I.T. support
2005	First prize in a sixth-form art competition
2004–6	I.T. technician at Colchester Royal Grammar School
2004–5	Membership in a Young Enterprise company, qualifying with a distinction

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