

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	Subjects
	A	History, Computing, General Studies
	B	Physics, Mathematics, Art and Design
		Institution
		Colchester Royal Grammar School
		CRGS (Art and Design at Grey Friars)
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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