

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:

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|-------------------------------------|---|------------------------------|
| 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

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| 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 |
| | A | History, Computing, General Studies |
| | B | Physics, Mathematics, Art and Design |
| 2002–4 | Eleven GCSEs at Colchester Royal Grammar School. | |

Previous work and achievements

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| 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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