

Software Programmer

I'm a programmer with fifteen years experience of web and application programming and leading web and software projects, using Ruby-on-Rails, Python (including Django), Java, Javascript / jQuery.

- Architecture, design and programming of web, mobile and desktop applications
- for a wide range of clients (from multinationals to one-man bands)
- in a range of teams (from sole delivery to management of internal team with external resources (freelancers, technical consultants, translation agencies)).

Application Designer

I design applications with the aim of conveying conceptual clarity and simplicity, helping to translate between systems thinking, user-research and visual design.

- UI and interface design for a variety of clients (online information services, multinational technology companies, retail dairy farms and other SMEs)
- Requirements elicitation, early prototyping, lightweight methods
- Innovative and compelling prototypes of mobile device interfaces for research.

Technical Consultant and Manager

I advise on technical development with systems and code review, and improve technology development processes with consultancy, coaching, and the selection of appropriate tools.

- Agile coaching for web teams (process improvement, code review, TDD)
- Code-review and risk analysis for startups
- Project management of projects for global delivery (HP, Novartis Pharmaceuticals)

Recent projects:

- Code-review and technical consultancy
for startup web business
- Custom ad-server *sole programmer [Django]*
for medium sized Digital ad agency
- Process-review and agile coaching
for small sized Digital ad agency
- <http://openstudiowestminster.org> *lead programmer [RoR]*
for University of Westminster Architecture Dept
- <http://theconnectedrepublic.org> *lead programmer [RoR]*
for Cisco - IBSG
- <http://culturetheque.com> *HTML, jQuery, Ruby [Custom CMS]*
for Institut Français, Large Blue
- <http://sodaplay.com> *lead programmer [Java]*
for Soda Creative
- <https://challenge.networks.net> *sole programmer [Java]*
for Worcestershire County Council
- <http://permatime.com> *sole programmer [RoR]*
- <http://teamportfolios.com> *sole programmer [RoR]*

Employment

Independent Design and Technology Consultant (since 10.2007)

Design & programming for a variety of web projects (in Python/Django, Ruby on Rails and Java)

Management and development of python-based graphics plugins and applications (both RT graphics and offline) for Clever Plugs Ltd.

Soda Creative, Technical Director (10.2004-12.2007)

Soda Creative Ltd, 17-25 Cremer St, London E2 8HD

Application design and programming - developing extensible desktop application framework, robotics application and social web applications. Also responsible for technical systems management, and modernizing development methodology.

Independent Design and Technology Consultant (05.2002-10.2004)

Design & programming for a variety of clients and projects:

- Application design & programming for a 3d financial simulation tool.
- Product design and interaction design consultancy (Instrata, Image Semantics)
- Interactive system design and development for sales tools (Hewlett Packard).
- Web design and marketing consultancy (Back in Action, Ballet.co).

Xerox Research Centre Europe, Research Scientist (03.2001-05.2002)

XRCE Cambridge, 61 Regent Street, Cambridge CB2 1AB

Design and UI expertise for a multi-disciplinary team comprising ethnographers, product designers, and technologists on specific European-funded project (MiME) and on “Mobile and Ubiquitous Services” research and development.

Teamworks, General Manager / New Media and Technology Director (1997-2001)

Teamworks, 46 Loman St, London SE1 0EH

Started up and managed this new media and web technology offshoot of marketing company Teamworks Advertising. Delivered eBusiness consultancy, new media planning, IA and design leadership to clients such as Hewlett Packard, Novartis Pharmaceuticals.

RED56, Founder and Director (1994-97)

RED56, 91 Brick Lane, London E1 6QN

Interactive solutions (database systems, interactive CDs, websites) for SMEs and corporate clients (Channel 4, Bristol Myers Squibb). Interactive art for public display with choreographer and composer collaborators (Sadlers Wells, South Bank).

HarperCollins Advanced Media, Technology Consultant (1993-4)

Product development and prototyping, and new media technology advice for new media division of HarperCollins publishers.

FT Profile Information, Interface Consultant (1992)

Human interface design guidelines for new online access for financial and news information service. Proposed and evangelised a revised UI.

Education

Chelsea College of Art and Design, BA (Hons 2:1) *Fine Art* (1990-1993)

Art specialisation with “Alternative Media”, specific area: Installation/video/public art

Balliol College, Oxford, MSt. *European Language and Literature* (1986-88)

Post graduate taught course with two papers: Modern Greek Poetry 1911-1967, Methods of Criticism and Literary Theory

University of California Berkeley, BA (with a distinction in General Scholarship) *Humanities/Linguistics* (1983-86)

Undergraduate degree. Semiotics, Syntax, Semantics, Modern Greek, Medieval Welsh, Russian

Technologies

Foreground:

- Django (*since 2010*), Python (*since 2005*)
- Ruby, Ruby on Rails (*since 2008*)
- Front and back-end web (RESTful apis, XML, Web services, HTML, JavaScript / jQuery, CSS) (*since 1996*)

Using:

- Test-driven, Agile, Iterative, Continuous Integration, Refactoring,
- Git, Subversion, Mercurial, CruiseControl, Eclipse
- Ops (Capistrano, Chef)
- Databases (MySQL, Postgres, MongoDB)
- Mac / Windows / Linux / BSD

Background knowledge (from a while ago)

- Java (Spring, JSP, Tomcat, Servlets). (*2001-2009*)
- Macromedia Director, Lingo, ActionScript, Perl, PHP (*1996- 2001*)

Research / Publications

- 2010 / Prepared, won, and managed a Technology Strategy Board “feasibility study” grant.
- 2001 / Research as part of a multi-disciplinary EU-funded project
- Authoring deliverables for formal review.
- Fundamental HCI research experience in ubiquitous computing

2003 Tolmie, P and Diggins, T., *The home of the distant present? What understanding of domestic life is required by "smart homes"?*, 1st UK-UbiNet Workshop, 25-26th September 2003 , Imperial College London

2003 Diggins, T. and Tolmie, P., *The ‘adequate’ design of ethnographic outputs for practice: some explorations of the characteristics of design resources*, The Journal of Personal and Ubiquitous Computing, Volume 7 (3-4) July

2002 Tolmie, P., Pycock, J., Diggins, T., MacLean, A. and Karsenty, A. *Unremarkable computing*. In Proceedings of ACM CHI Conference on Human Factors in Computing Systems. Minneapolis, Minnesota, 2002.