**Tim Diggins**          tim@red56.co.uk  |  http://red56.co.uk

### Software Programmer

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

- Architecture, design and programming of web, mobile and desktop applications
- A wide range of clients (multinationals to small startups)
- Variety of roles (solo programmer, team member, management of freelancers, translation agencies)
- Extensive experience of working with agile teams

### Technical Consultant and Manager

I advise on technical development and code review, and improve development processes through consultancy, agile coaching, and tool selection.

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

### 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

### Recent projects

- http://buddyapp.co.uk Release planning, code review, test implementation *Technical consultant and programmer - [Ruby on rails, cucumber, rspec, jasmine backbone]*
- Software quality and migration  *for internal workflow [Ruby on rails]*
- http://pkuconnect.com (forthcoming) Technical architecture, requirements gathering & implementation management  architect/*for Euro RSCG and Nutricia Medical Nutrition*
- http://realreaders.co.uk *architect/programmer [Django] - website & admin workflow*
- Touring interactive event *CMS architect/programmer [Django] for Imagination Ltd*
- Lightning Code-review *for online business*
- Code-review and technical consultancy *for startup web business*
- Custom ad-server *technical management & programming [Django]* for TBG Digital
- Process-review and agile coaching *for small digital ad agency*
- http://openstudiowestminster.org *architect/lead programmer [Ruby on rails] for University of Westminster Architecture Dept*
- http://theconnectedrepublic.org *architect/manager & programmer [Ruby on rails] for Cisco - IBSG*
- http://culturetheque.com *programmer [HTML, jQuery, Ruby] for Large Blue, Institut Français*
- http://sodaplay.com *architect/lead programmer [Java] for Soda Creative*
- https://challenge.networcs.net *sole programmer [Java] for Worcestershire County Council*
- http://permatime.com *sole programmer [Ruby on rails]*

## 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 / Backbone, CSS)
  *(since 1996)*

*Using:*
- Test-driven, Agile, Iterative, Continuous Integration, Refactoring
- Git, Subversion, Mercurial, jenkins, cruisecontrol, Eclipse
- Ops (Capistrano, Chef, Heroku, Rackspace, Amazon EC2/SS3)
- 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.