Christopher Stephen Tingley, MEng *(Hons)* MIET MBCS

PERSONAL
INFORMATION

hidden	*mob:*	*hidden*	*d.o.b:*	04.08.1983
Reading	*email:*	chris@etingley.com	*nationality:*	British
Berks	*www:*	www.etingley.com	*driving licence:*	UK

PROFILE

A **Masters** graduate from the University of Reading who has a highly **devoted** and **enthusiastic** approach to work. A highly **creative**, **adept** and **innovative** individual who maintains exceptionally **high standards** through having an acute **eye for detail** and being both **strategic** and **focused**. He takes pride in his appearance and in the work he does and is able to work equally **competently** by himself or within a team. He understands **business issues** through working in several differing industries where focus has been on both **business to business** and **business to consumer**. Pursuing **state-of-the-art** technologies and having the ability to innovate in these areas through **research and development** is his passion.

PROFESSIONAL
INTERESTS AND
AFFILIATIONS

Mobile technologies and New Media, Web 2.0 trends, social networking and SaaS applications. Established and up-coming Web standards such as XHTML, CSS, JSON etc. Modern computer programming languages such as Ruby on Rails and .NET. A member of: British Computer Society, Institute of Engineering and Technology, HTML Writers Guild, International Webmasters Association and UK Web Design Association.

SUMMARY OF
SKILLS AND
ACHIEVEMENTS

- Over 3 years commercial experience in writing enterprise-level SaaS applications in Ruby on Rails.
- Objective-C and iOS development for the iPhone and iPad, including extensive use of the Cocos2d games library.
- Many years of commercial experience in the following web, scripting and markup languages: HTML 4 and 5, XHTML 1.1, CSS 2.0/3.0, PHP 4 and 5, MySQL, XML, Ajax, Javascript and JSON.
- The only student to be awarded the Best Project Prize in consecutive years.
- Successfully applied for, and completed a Shell Technology Enterprise Programme (STEP) scheme over my 2003 university summer vacation.
- Fully W3C web standards competent. Extensive use of the Apache web server and the LAMP web environment. Experience in using IIS.
- Sound knowledge and champion of best practice in the SVN version control system.
- Three years experience in C# and the .NET framework. Also have experience in C, C++, VB, Delphi and Caml Light.
- Competent in using the following operating systems: Apple Mac OS X, MS Windows, MS DOS and have experience in the following operating Systems: Ubuntu, Solaris, Red Hat, Fedora and Darwin.
- Experience in using PIC and ATMEL microcontrollers and compliers, electronics and soldering (including surface-mount).
- Solid understanding of databases including MySQL and MSSQL.

PROFESSIONAL
EXPERIENCE

workbooks.com, Reading, Berkshire

Enterprise-level RoR Applications Developer　　　　　　**April, 2008 - July 2010**
workbooks.com is a highly available SaaS-delivered managed service providing CRM and finance applications for small to medium enterprises. It has a back-end developed in Ruby on Rails and predominantly a Javascript (Rich Internet Application) front-end which uses ExtJS to provide a windows-like, multi-windowed environment.

I joined workbooks.com at the grass-roots stage where there were 3 developers and saw the development team grow to, at its peak 12. Our focus initially was developing an application platform using Rails as a foundation with a simple and extendible

domain specific language in which to build a UI-agnostic application on top of. As the platform matured, my role involved more applications development, extending the platform with new UI "widgets" and common application patterns and supporting new engineers in using the platform.

mediagrids plc, Twyford, Berkshire

Web Applications Developer **July, 2006 - March, 2008**

During my tenure at mediagrids I worked within an engineering team of (when joining) four; to seven people co-developing a medical monitoring system. This cross-platform system consists of a set-top box situated at a patients' home, a web-based monitoring application and server-side applications that control the overall system. The system gives the ability to video conference over residential broadband technology using the patients' TV and operators and friends and family through a web-based application. Being a medical system it is highly available and the set-top boxes can also fall back to dial-up connections on loss of broadband.

My primary responsibilities were:
- Sole designer and developer of the web-based monitoring application. Conversely to the standard web model where users request new data (pages), this application must be informed when set-top boxes have raised alerts, this is achieved through an innovative combination of ActiveX and Ajax. Once an alert is raised, an operator is able to view medical data from disparate sources, view the status of the set-top box and the devices attached to it and ultimately video conference with the end-user. The application is developed in PHP, XHTML and Javascript with stylistic customisation for different clients implemented purely in CSS. The back-end system uses MySQL with stored procedures and views handling business logic with data transmission taking place via XML and JSON.
- Designing and implementing the MySQL database which keeps state information should the server fail, historical information and configuration data. Integration into third party medical data sources based in MSSQL.
- Developing in C# for the server-side applications that dictates the business logic of the product which is segregated from our platform technology, allowing us to write different applications on top of our platform.
- Aiding in set-top box electronics design and prototyping (using Eagle for layout). Liaising with manufacturers to source components and produce production level quantities of our product.
- Providing third level development and integration support to our partners and bug identification and fixing.
- Developing automated installation scripts for production and testing purposes using DOS batch file scripting.
- Maintaining the internal development and testing web systems which primarily used Apache 2.2, PHP5, Various PEAR modules and MySQL5.

Dunwoody Media (Formerly Mirashade), Newbury, Berkshire

Senior Creative Developer **June, 2005 - July, 2006**

Designed, developed and maintained small to mid-size (B2B & B2C) websites using PHP and MySQL database integration within a team of both programmers and designers. Conducted feasibility study on Ruby on Rails by developing internal Web 2.0 applications.
- Developed and maintained front and back end solutions to a large number of websites predominately using PHP and HTML for markup, Javascript and Ajax for user interaction and CSS for styling.
- Gained experience in image manipulation and creation using Adobe Photoshop and interface design and mockup using Macromedia Fireworks.
- Involved in liaising with clients and helping to develop briefs and concepts.
- Computer network and telephony administration.

EDUCATION	**University of Reading**, Reading, Berkshire

MEng. Computer Science & Cybernetics **October, 2002 - July 2006**
1st Class with Honours

Cybernetics is the science of control and communication in mechanical, electrical and biological systems. This mutli-faceted subject area has allowed me to work across a wide variety of systems. Particular modules of interest include: Neurocomputation, Machine Intelligence and Robotic Architectures. Computer science has allowed me to study both classical and modern computer science doctrines such as Algorithmic Techniques, Software Engineering and Evolutionary Computation.

I have also gained valuable skills in working to deadlines, working within groups, managing my own work schedules and preparation and delivery of presentations, written work and academic papers. Other modules of interest include: Entrepreneurship and Electronic Devices and Telecommunication.

- Part IV Project Title: Exploring the use of human-like emotions in Multi-Agent Systems (awarded the best Part IV project prize, sponsored by Nortel).
- Part III Project Title: Highly Experimental Navigational Robotic Itinerant (awarded the best Part III group project prize).
- Employed to mentor Part III students through their group project.
- Advised and demonstrated to potential students on University open days.

Foundation Year in Electronic Engineering **October, 2001 - July 2002**

Studied electronic engineering, mechanical engineering, computing, physics and mathematics to first year degree level. This provided a vital introduction to the most important parts of my degree level studies.

The Weald School, Billingshurst, West Sussex

'A' Levels **September, 1999 - July 2001**
'A' Levels in Design Technology and Music. During my time at the Weald Sixth Form I undertook voluntary work in the ICT department as a technical support engineer.

GCSEs **September, 1994 - July 1999**
Obtained 11 GCSEs: English BB, Maths B, Science BB, Design Technology A, Information Technology B, German B, Music A, Ceramics A, Geography C.

PERSONAL INTERESTS	I enjoy socialising and living a healthy lifestyle. I am a keen SCUBA diver and play squash, badminton and golf. Musically I play several instruments, primarily the Piano and Keyboard which I have played semi-professionally in several large and small ensembles including University of Reading Jazz Ensemble, The Blue Roosters and Boot Led Zeppelin. Music has helped me learn many valuable transferable skills from organising gigs to performing on stage.

PERSONAL AND ACADEMIC REFERENCES	*Dr. W. Browne, Dr. B. Hutt (Project Supervisors), Dr. V. Ruiz (Personal Tutor)* *Contact details available on request.*

PROFESSIONAL REFERENCES	*Contact details available on request.*