

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

PERSONAL INFORMATION	*hidden* Reading Berks	<i>mob:</i> <i>email:</i> <i>www:</i>	*hidden* chris@etingley.com www.etingley.com	<i>d.o.b:</i> <i>nationality:</i> <i>driving licence:</i>	04.08.1983 British UK, Clean
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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 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.

RESEARCH INTERESTS Artificial Neural Networks, Machine Intelligence including Machine Learning and Machine Consciousness, Emotion-based multi-agent operation and interaction.

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Achieved a Masters level first class honours degree from the University of Reading.
- 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.
- 18 Months commercial experience in writing enterprise-level SaaS applications in Ruby on Rails.
- Many years of commercial experience in the following web, scripting and markup languages: HTML 4.0, XHTML 1.1, CSS 2.0/3.0, PHP 4.0/5.0, MySQL, XML, Ajax, Javascript and JSON.
- 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 compilers, electronics and soldering (including surface-mount).
- Solid understanding of databases including MySQL and MSSQL.

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

MEng. (Hons.) Computer Science and Cybernetics **October, 2002 - July 2006**

Cybernetics is the science of control and communication in mechanical, electrical and biological systems. This multi-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.

University of Reading, Reading, Berkshire

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 Sixth Form, Billingshurst, West Sussex

'A' Levels

September, 1999 - July 2001

Gained '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.

The Weald Sixth Form, Billingshurst, West Sussex

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.

PROFESSIONAL EXPERIENCE

confidential, Reading, Berkshire

Enterprise-level RoR applications developer

April, 2008 - Present

mediagrids plc, Twyford, Berkshire

Web Applications Developer

July, 2006 - March, 2008

During my tenure at mediarids 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.

Creative Technology Management Solutions, Reading, Berkshire

Marketing Consultant

July, 2003 - June, 2005

After successfully completing a STEP scheme during the 2003 summer vacation, I was invited to continue working at the same company during the university term and vacations. My role as a Marketing Consultant was varied due to the small nature of the company.

- Created and maintained marketing material (both printed and electronic) for new and existing products and services including websites and HTML email (eShot) design and production.
- Individually managed preparations for an exhibition stand at both the 2004 and 2005 Help Desk & IT Show at the National Hall, London Olympia.
- Produced detailed business metrics reports using GoldMine and SQL.
- Designed and wrote a report management tool with built in report encryption.
- Various other development and administrative roles.

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.