

# Michael Clark

## Computer skills

Programming	PHP, C#, Java, AS3, C++, F#, ML	Web	XHTML, CSS, JavaScript, XSLT, RSS
CMS	Sitecore, Drupal, Wordpress, phpBB	Server	MySQL, MSSQL, Apache, Sqlite
Applications	L <sup>A</sup> T <sub>E</sub> X, Photoshop, Flash Builder	Versioning	Mercurial, SVN, Git, SourceSafe

## Employment

Jul 26, 2011 to present **Frontend Developer, Tuenti Technologies, Madrid**, PHP, OO JavaScript, Memcache, MVC.  
Tuenti is the most popular social network in Spain, having 90% of the 18–25 demographic. Member of the interactive team: responsible for chat, photos, events and registration.

- Refactored Chat UI to support iterative improvements based on user studies, wrote a new rich media parser based on a single finite state transducer (200+ million messages per day)
- Event RSVP management for creators and attendees (revamped views/templates)

Summer 2010 **Application Developer, Kickstart Digital, Cambridge**, AS3, C#, JavaScript, Facebook.  
Completed high-quality projects on time for top UK brands. Kickstart's return on investment was multiple times my total salary. Achieved rapid proficiency with Facebook, Flash, Mobile.

- Mini Countryman mobile microsite (4doormini.co.uk), using WURFL browser detection
- Change4Life Summer Fun Activity App, a Facebook Flash activity picker for the NHS campaign
- Johnson&Johnson Gentle-O-Meter: implemented designs and created a method to rate user drawings/quizzes for interactive marketing; gathered over 25000 unique drawings
- Mobile Cross Compiler, translating business logic from C# to C++ and Java

Summer 2009, Sep 4, 2007 to Aug 6, 2008 **Web Developer, Premier Media Group, London**, C#, XSLT, XHTML, JavaScript, CSS, MSSQL.  
Played a pivotal role in multiple development projects using the Sitecore CMS. Achieved rapid proficiency with XSLT, C# and MSSQL. Liased extensively with clients.

- Became chief information architect for Sitecore templates and the XSLT goto
- Absolutely key in the technical development of core projects including Premier Christian Media portal, Christianity Magazine, Mind&Soul, Jobsearch Monitor
- Contributions resulted in our team being awarded 'Team of the month' for August 2008
- Brought back for contract work Summer 2009: streamlined subscriptions and article tagging

Short placements *Have also had placements at Injasuti Ltd (2006), creating a PHP/MySQL recruitment application, and East Surrey College (2003), acting as an IT technician.*

---

## Education

- 2008 to 2011 **University of Cambridge, Queens' College**, Computer Science, 2.ii (61%).  
Focussed on the topics security, algorithms, optimising compilers, human-computer interaction and distributed systems. Consistent improvement over three years of study.
- Dissertation 'Social Backup – Data redundancy on trusted machines' documents a software system to securely chunk and transfer data to a decentralised peer group
  - Group project 'Critical Care for Third World', distributed Android medical health records: system/database architect, used cognitive walkthroughs to refine interface sketches
  - High commitment to the extremely successful Queens' College Boat Club (15+ hours per week); team wins include Bedford Head (IM2), Spring Head-to-Head, University Fours, Winter Head, Autumn Head, Lent Bumps (blades, +6)
  - Performed at Emmanuel June Event in 'Black Sheep', contributed to numerous societies
- Sep 2005 to Jun 2007 **Sixth form, The Ashcombe School.**  
A-levels: Mathematics (A), Further Mathematics (A), Physics (A), General Studies (A)  
Advanced Extension Award: Mathematics (Distinction)  
UKMT Senior Maths Challenge: Gold Award, Best in School  
The Ashcombe Prize for Excellence in Mathematics 2007
- Sep 1999 to Jun 2005 **Secondary education, The Priory School.**  
Eleven GCSEs with 10 A\*/A grades including English, Mathematics and Business Studies.

---

## Notable projects

- 2010 to present **Freelance, PT OnDemand, ptondemand.com**, PHP, XHTML, CSS, MySQL, Amazon CloudFront, PayPal.  
Personal training resource utilising CDN video delivery and PayPal payment. Clients stated "Michael has basically resurrected our site. We had many problems with another developer. . . Michael came in and has finished it. . . The quality of the site to us is fantastic."
- 2010 to present **Graphic Designer, Queens' Ents, qents.org**, Photoshop, PHP, XHTML, CSS.  
QEnts is a weekly student clubnight that consistently attracts over 300 undergraduates. Developed web layouts and designed advertising material.
- 2010 **Web Manager, The Tab, Cambridge Student Paper**, PHP, XHTML, CSS, WordPress.  
Ensured the consistent operation of the most popular Cambridge newspaper. They publish to an online audience using WordPress. Supported journalists by facilitating their technical ideas.
- 2009 to present **Webmaster, Queens' College Boat Club**, PHP, XHTML, CSS, MySQL Moderation.  
Content management and list moderation; web-page development and realtime systems testing for the second largest indoor rowing competition in the UK; currently revamping qcbc.net.
- 2009 **Web Developer, Newnham College JCR**, PHP, XHTML, CSS, Drupal.  
The internet hub for Newnham College, Cambridge: it informs over 400 students about current events and provides additional information for applicants.
- 2005 to present **Lead Developer, Solar Empire, solarempire.com**, PHP, XHTML, CSS, Perl, MySQL, C, C++, RSS.  
PHP browser-based strategy game, first created in 1999; became SourceForge administrator but development is now paused while academic study and employment takes precedence.  
*Please see [mjac.co.uk](http://mjac.co.uk) for more projects, this is a short summary.*