

# Andrew Gillard

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## Personal Details

<i>Postal address</i>	<a href="https://andrewgillard.com/portfolio">https://andrewgillard.com/portfolio</a>
<i>redacted from</i>	<a href="https://github.com/aziraphale">https://github.com/aziraphale</a>
<i>Web copy</i>	<a href="mailto:cv@andrewgillard.com">cv@andrewgillard.com</a>
	<i>Phone numbers redacted from Web copy</i>
DOB: 7 <sup>th</sup> February 1987	Full, clean, UK driving licence with own car

## Work Experience

Also check out my portfolio and github profile: [andrewgillard.com/portfolio](https://andrewgillard.com/portfolio), [github.com/aziraphale](https://github.com/aziraphale)

### National Centre for Research Methods – Web Developer – Feb-Oct 2014; 2013; 2012

I was brought in for several one-or-two-week periods over the course of two years to aid NCRM's sole developer as larger pieces of work needed to be done. I then returned for a 7-month contract to coincide with the renewal of their funding and development and launch of a new website design and significant new "portal" section.

- Development of a PhoneGap/Apache Cordova app for Android and iOS devices
- Authored "portal" section's authentication layer, using a third-party authentication provider and falling back to a standard local authentication system
- Instigated an improved development environment, including full use of git and strict separation of live and development servers; subsequently used this system to push the revamped site from the development server to the live server with minimal downtime
- Configured a new RHEL VM as a Web server on which to host an upgrade of their existing installation of EPrints, a Perl-powered Web application
- Provided support, and helped manage a group of 20+ student helpers, at the 2014 NCRM Research Methods Festival

### MAXX Design Ltd. – Web Developer – 2012-2014

- Backend and frontend development for dozens of client websites including an informational guide for the Breakthrough Breast Cancer charity which has since won four separate awards: one from the Association of Medical Research Charities, one from the British Medical Association and two from the Interactive Media Awards
- Supported, maintained and improved internal network; organised upgrade of office Internet connection; set up seamless, automatic failover of office Internet connection; supported other staff with PC/Mac problems
- Sat in on interviews of job candidates; conducted technical portion of interviews
- Handled support calls/emails from clients and, as appropriate, assisted them, made minor website changes, quoted for larger changes, or referred them to my manager
- Provided technical input to initial client meetings regarding new work
- Provided quotes on specifications for new work
- Successfully pushed for use of version control (git) throughout; subsequently set up git on all client sites and mentored other developers on use thereof
- Heavily liaised with sysadmin regarding hosting servers, hosting network, client domains, etc.
- Planned and oversaw migration from aging local Postfix mail server to Google Apps
- Designed & built new PCs for new hires

## Craig Brass Systems Ltd. – Lead Web Developer – 2007-2012

- Responsible for choice of tools & libraries used in projects
- Designed architecture of software projects, plus large, complex relational database schema
- Implemented majority of functionality of projects including extensive PHP framework
- Created a base graphical design (HTML/CSS) for a dedicated graphic designer to work from
- Managed small team of developers (inc. reviewing code for style, stability and security requirements)

## Certification

- Zend Certified Engineer (PHP 5) – Candidate ID [ZEND014075](#) – June 2010

## Education

### University of Glamorgan

*October 2005 – June 2009*

<b>Computer Studies</b>	<b>BSc (Hons)</b>	First Class
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### Uckfield Community Technology College

*September 2003 – June 2005*

<b>A-Level (June 2005)</b>	<b>Computing (AQA)</b>	A
	<b>Electronics (AQA)</b>	A
	<b>Physics (Edexcel)</b>	D
<b>AS-Level (June 2004)</b>	<b>Mathematics (AQA)</b>	D

## Technical Skills

### Web Development

Very proficient with:

- PHP (mostly PHP 5.3-5.5; PHP-FIG PSR-1, 2, 4; PDO, SPL, full OOP; both Web and shell/daemon use)
- MySQL (normalisation; transactions; relational constraints; views; stored procedures)
- HTML (XHTML 1.1, HTML 5; fully-compliant, accessible and semantic; all hand-written, no WYSIWYG editors used)
- HTML 5 (FileReader; offline Web apps; geolocation; new input types; data attributes; Web Storage)
- Mobile website development (for Android, iOS, etc.); Responsive Web Design; high-DPI imagery
- CSS (including CSS 3; Bootstrap; LESS; SCSS/Compass)
- JavaScript (with and without jQuery and jQuery UI; Ajax; JSON)
- Regular expressions (PCRE)
- Web security, password storage, etc. (full OWASP Top 10 coverage; strong focus on security)

Also experienced with:

- Smarty
- CodeIgniter; Zend Framework; Cordova/PhoneGap
- Apache (mod\_rewrite, other modules; general configuration)
- SOAP; XML
- APIs (Twitter, Flickr, YouTube, Facebook, Google Maps)
- Payment gateway integration (PayPal, Google Checkout, WorldPay)
- Adobe Photoshop

### Other Programming Experience

- Java (including Android device development)
- Visual Basic .NET and C# .NET
- C++ (with and without Qt)
- Bash scripts; NWScript

## Development Tools

- IDEs (JetBrains PhpStorm, NuSphere PhpED, Zend Studio, Eclipse, Visual Studio)
- Version control systems (Git, Subversion, Mercurial)
- Package management (Composer; Bower)

## System Administration

- Windows (7, XP; Server 2003, 2008)
- Linux (Ubuntu, Ubuntu Server; CentOS, RHEL)

## Hobbies

In my free time I can usually be found on a handful of IRC networks, playing various video games, reading books – especially Terry Pratchett’s Discworld series – or watching TV. During the summer months I spend a great deal of time in my garden tending to the plants and harvesting the fruit, which is something that I find both enjoyable and relaxing. The garden also provides a perfect opportunity for me to indulge one of my other interests: photography. Lately I have also been making improvements to the open source Quassel IRC client that I use on my Android phone and have had code merged into the upstream repository where it can benefit a wider audience. I also actively maintain an IRC “bot” written in PHP and have been developing a Web interface to the logs stored by the Quassel distributed IRC client.

## Work Reference

References for **National Centre for Research Methods (NCRM)**, **MAXX Design Ltd.** and **Craig Brass Systems Ltd.** are available on request.