

# David Lumm

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I am an expert software development contractor and consultant, coding daily in multiple languages, particularly C#, PHP and JavaScript. I have a degree in Artificial Intelligence and Cybernetics from the University of Reading and experience with a variety of technologies and paradigms. I like to solve problems and to help agencies deliver great software and web projects for their customers.

## Key Skills

Linux/Windows  
C#/Asp.net, Windows Services  
PHP, HTML and Javascript (including jQuery)  
Good communication skills  
Focussed and hardworking, but able to juggle multiple projects

## Recent Projects

### Educational needs website

July, Nov-Dec 2016                      **Working with: Iteracy** [iteracy.com]

Working with Web Design agency to build out additional functionality for their customer - included Database schema changes (MySQL), core functionality improvements for their bespoke CMS, back-end processes (PHP) and UI and Javascript changes for the front-end.

After our first project, Kathryn Smith from Iteracy said:

*"Iteracy is a very small team and we have a close relationship with our clients, so we're choosy about who we work with. David has proved himself to be very reliable, completing tasks efficiently and using his initiative to troubleshoot problems. We're looking forward to working with him on bigger, more complex projects."*

### Wordpress, Drupal and Javascript

June, August 2016                      **Working with: Cornwall College**

Working with Cornwall College's web designer, I built out a couple of Wordpress plugins. One to generate a PDF based on their Course custom post type and it's metadata, another to generate alerts across their Wordpress and Jekyll-powered sites if the University is closed (e.g. bad weather).

Although I had no Wordpress experience I was able to finish ahead of schedule and was also asked to work on their existing Drupal-powered site to resolve some issues with synchronisation between it and an external data source. I was also able to resolve those issues, despite being new to Drupal.

Finally I was asked to help resolve some javascript issues in the Jekyll-powered portion of their new site, including some problems with the Isotope plugin, which was also new to me.

# Previous Experience

## Senior Software Development Engineer

*Apr 2011 – March 2016*

**Tempest Photography,**

*Lelant (TR26 3HU)*

I started as a junior developer, having done almost no professional PHP programming, and left as a Senior member of the team. This role involved a variety of tasks, including developing websites from scratch in PHP, writing C# Windows Services, investigating the use of RESTful services and implementing that methodology both in PHP using the Slim framework and C# using WCF. In addition to web development I was also tasked with developing mobile apps; first using ActionScript/Flex (which I had to learn for the project), then Windows Phone 8 and more recently initiating a move towards Android, including building an initial proof of concept in Android Studio.

Whilst there were lots of opportunities for brand new projects, I was also involved in the ongoing maintenance of the existing web estate and internal applications and services, including legacy systems written using VB.net and classic ASP.

In addition to the code I was writing I was also involved in encouraging more Agile work processes and giving advice to senior managers outside of the IT or Software Development departments.

## Graduate Developer

*Aug 2008 – Dec 2010*

**Silverbear,**

*Guildford (GU1 1EA)*

After a 4 month stint in first- and second-line IT support, supporting Silverbear products for their customers, I progressed into Software Development – concentrating particularly on two Sage SalesLogix 7.5 development projects. I was given roughly a week to learn C# then sent on a Sage course to learn how to extend SalesLogix. From there I was able to quickly become a valued member of the development team which grew from 2 to 5 members during my time.

My existing relationship to key stakeholders through my time in support and my knowledge of the existing system enabled me to have a unique insight during the development of the replacement system. My natural ability to code enabled me to deliver the project on time, despite tough deadlines.

### \* Note regarding gap in history

After being made redundant from Silverbear I spent some time learning new languages and technologies whilst also searching for work. This included learning a little PHP and also investigating PhoneGap, in which I made a very basic time-keeping application. The PHP served me well, helping me get through the interviews into my next job; PhoneGap was left to the wayside until much more recently when I began looking at Cordova again, pleased to see how much it had improved. I was able to assist one of the other developers at Tempest Photography who was tasked with creating a Cordova proof of concept.

# Education

## BSc Artificial Intelligence and Cybernetics

2005-2008

*University of Reading,*

Reading

*Including:* Electronic Circuits, Maths for Engineers, C++ Programming, Software Engineering, Algorithmic Techniques, Further Computer Systems, Computer Networking and XML & Symantic Web Technologies.

*Final year project:* Artificial Intelligence (involving emotions) in a virtual character.

## GCE As/A-Levels

2001-2003

*Queen Elizabeth Sixth Form College,*

Darlington

**A Levels:** Mathematics (**A**), Computing (**A**), Religious Studies (**B**)

**As Levels:** Mathematics (**A**), Computing (**A**), Psychology (**B**), Religious Studies (**B**), General Studies (**C**)

## Other awards and relevant courses

In order of date achieved from the most recent:

<b>January 2009</b>	Sage SalesLogix Web v7.5 Web Developer Accreditation
<b>March 2004</b>	Chartered Institute of Library and Information Professionals (CILIP) – Giving a Good Answer (how to answer enquiries)
<b>January 2003</b>	Key Skills Level 3 – Communication
<b>2000 and 2001</b>	Intermediate Maths Challenge – Silver and Gold (respectively)

## Interests and activities

- Listening to a broad range of music
- Learning how to program in new languages (currently looking at Python)
- Trying to keep up with technology
- Reading a wide variety of fiction and non-fiction
- Watching films (mostly sci-fi, comedies and action/adventure films)
- Recently started setting up an Asterisk/FreePBX installation at home
- Christian