

Callum Macrae

Front-End Web Developer

Personal Summary An enthusiastic front-end web developer looking to further his experience and build his skills. Specialises in JavaScript development, and has experience with PHP development. Possesses the positive attitude and determination required for web development, and is good at solving problems.

Academic *City University London* 2013 to Present

Currently studying for a degree in Computer Science, including modules in programming in Java, mathematics, and systems architecture.

Alcester Grammar School 2006 to 2013

A Levels:

Mathematics	A
Further Maths	C
Physics B	D

GCSEs:

Mathematics: A*, Biology: A, Chemistry: A, Music: A, Physics: B, Business Studies: C, English Language: C, English Literature: C, French: D, German: D

- Areas of Expertise**
- Knows and is highly proficient with HTML (XHTML 1.1 and HTML5) and CSS (2 and 3).
 - Highly experienced with JavaScript, Node.js, and jQuery, and familiar with a number of other libraries.
 - Experienced with PHP. Heavily involved with the development of phpBB, contributing many PHP and JavaScript patches.
 - Understands the importance of tests and has experience writing them.
 - Experienced with SQL, both through drivers (PDO / MySQLi) and the command line.
 - Uses Mac OS X, and is familiar with the Linux CLI.
 - Familiar with version control systems including Git.

- Key Skills**
- Possesses strong numeric skills
 - Good communication skills
 - Good at solving problems
 - Able to work well both individually and as part of a team
 - Willing to learn
 - Possesses a full UK driving license

Work Experience *Historic Futures*

Summer 2012

- Did two weeks of work experience for Historic Futures, mostly fixing bugs in their PHP and Grails applications, but also developing a layered graph visualisation library using the Sugiyama method.

Freelance Development

June 2011 to Present

- I have been working freelance for a number of years in a variety of areas: previous work has included developing a phpBB modification for GeekiQ, front-end development work for TippingPress, Butlr and others, developing an API in Node.js for The Reflector Network, and JavaScript work for KMB Partners.

Publications *Learning from jQuery*

February 2013

- Worked with O'Reilly Media to publish a book to help developers who have more experience with jQuery than vanilla JavaScript improve their JavaScript.

JSMag

- I have written a number of articles for JSMag, the first of which was in June 2012 about Douglas Crockford's JSCheck.

Open Source *phpBB*

February 2011 to Present

- Contributor to the core (over 100 patches), and Website Team member, involving maintenance and development of the phpBB website itself.

macr.ae

February 2014 to Present

- My personal website. Designed and developed by myself, I also set up and currently maintain the server it is hosted on.

References Available on request.

Interests I play the drums and percussion, and am currently at grade eight drums. I regularly cycle with a club, and have participated in a number of charity sportives and am beginning to race.

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