

# 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 2016  
Currently a second year student studying for a degree in Computer Science, including modules on programming in C++, data structures and algorithms, programming in Java, mathematics, and systems architecture.

*Alcester Grammar School* 2006 to 2013  
A Levels: Mathematics: A, Further Maths: C, Physics B: D

GCSEs: 8 GCSEs with A–C results, including an A\* in Mathematics.

- Areas of Expertise**
- Knows and is highly proficient with HTML (XHTML 1.1 and HTML5) and CSS (2 and 3).
  - Regularly uses CSS preprocessors—often SASS or LESS.
  - Highly experienced with JavaScript. Mostly experienced in writing front-end JavaScript, although has used Node.js.
  - Very good with regular expressions, both PCRE and ECMA.
  - Familiar with a number of libraries and frameworks including jQuery and AngularJS.
  - Experienced with PHP. Involved with the development of phpBB, contributing many PHP and JavaScript patches.
  - Has worked on Ruby projects: can write basic ERB files and understands how rails projects are structured.
  - Understands the importance of tests and has experience writing them using libraries such as Mocha and ShouldJS.
  - Has extensively used, written about, and written plugins for build tools such as Gulp and Grunt.
  - Experienced with SQL, both through drivers (PDO / MySQLi) and the command line.
  - Uses Mac OS X, and is familiar with the Linux CLI; uses Vagrant, generally using Ubuntu, for local development.
  - Familiar with version control systems including Git.
  - Has written Ansible playbooks and understands provisioning.

- 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

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## Employment *lostmy.name*

June 2014 to Present

- Involved in the rewrite of their website to use the Spree e-commerce platform, doing mostly JavaScript development with a little front-end development.

## *Funding Options*

March 2014 to June 2014

- Worked on two main projects in my time at Funding Options—the first was developing the Finance Finder using AngularJS and a little PHP, and the second was turning the work of a designer into a Wordpress template using the Timber plugin.

## *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

- Started taking on small freelance projects in June 2011 while still in education, starting with PHP development, and shifting to more front-end and JavaScript work.

## Publications *Building with Gulp*

Smashing Magazine, June 2014

- An article on the Gulp build system.

## *Regular Expressions Refcard*

DZone, December 2013

- A cheatsheet for regular expressions.

## *Learning from jQuery*

O'Reilly Media, February 2013

- A book to teach developers whose only experience with JavaScript involves jQuery how to write vanilla JavaScript.

## *JSMag and macr.ae*

- I have written a number of articles that have been published on both JSMag and my own website.

## 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.

## Personal details Flat 302, 219 Blackstock Road, London, N5 2LL

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