# David Simkin                                davidjsimkin@gmail.com

Brook Green, London

## Education

**Newcastle University, Newcastle upon Tyne, UK**                 **2009–2012**

*Bachelor of Science in Computing Science (First-class honours)*

- Coursework and research in computing science including programming, distributed systems, internet technology, graphics, and artificial intelligence.

**The Henley College, Henley upon Thames, UK**                 **2007–2009**

- International Baccalaureate: 33 points (equivalent to 457 UCAS points)

**Chiltern Edge School, Reading, UK**                 **2002–2007**

- 10 GCSEs: 5 A* and 5 A

## Work Experience

**BBC Future Media, White City, London, UK**                 **09/2012 – Present**

*Graduate Software Engineer*

- Currently working with the iPlayer team adding new features and implementing responsive design across a variety of BBC sites.

**Newcastle University, Newcastle upon Tyne, UK**                 **06/2011 – 09/2011**

*Research Assistant*

- Team leader and developer on joint NHS/Games lab project developing augmented reality based application for Android tablets for use in the rehabilitation of children with neurological disorders.
- Overcame hardware limitations in the processing of real-time video and gestures imposed by the desktop-based origins of the OpenCV image processing library by rewriting library code to work within Android tablet hardware specifications and Dalvik VM memory constrains.

## Personal Projects

- Sole developer of the Android application Reddita, a Reddit client for Android Tablets.  Developed knowledge of Reddit, API despite lack of documentation, through analysis of Reddit's RESTful interface.  Quickly responded to unadvertised API changes, while maintaining customer satisfaction through timely response to bug reports.
    - Over 1000 paid versions sold and over 6000 free users.
    - Top 15 selling application in "News and Magazines" section of Android Market.
    - Serves over 3 million advert impressions per month.
- Developed a Symfony framework based web application for the public submission of academic papers, including a crowd-sourced voting and weighting system with the goal of increasing the availability and visibility of academic works while facilitating discussion and soliciting viewpoints from the wider public.

## Technical Skills

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| **Languages**: | Java, PHP, C++, C#, Python, Ruby |
| **Applications**: | Eclipse, Apache, MySQL |
| **Frameworks/SDKs**: | Symfony, Android SDK |
| **Web**: | HTML, CSS, Javascript, JQuery |
| **Other**: | OpenGL, OpenCV |