

# Marshall Bradley

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I am an accomplished computer science student with wide-ranging interests and experience across a variety of computer science related fields, who maintains a particular interest in software engineering, low-level computer design and computer security. Aspiring to combine academic success and experience in a demanding role within the computer science industry.

## Education

*2012 – Present*

Master of Informatics (4th Year)  
Edinburgh University  
Computer Architecture – **93%**  
Computer Security – **90%**  
Object Oriented Programming (Java) – **91%**  
Functional Programming (Haskell) – **87%**  
Focus on: Hardware, Security, Software Eng.

*2007 – 2012*

Westminster School  
4 A-levels      Maths (**A\***)  
                    Further Maths (**A\***)  
                    Biology (**A**)  
                    German (**A**)  
11 GCSEs      Grades **A\* - A**

## Technical Skills

- Languages: Java, C++, Python, C, Assembly, Verilog, PHP, CSS, Gradle, Prolog, Haskell, JavaScript, Lua
- Applications: MATLAB, Various IDEs (Eclipse, IntelliJ/Android Studio, Xilinx ISE), Microsoft Office Suite, Adobe Photoshop
- Systems: Jenkins CI, Windows 7/Vista/XP, Linux, Mac OS X

## Work Experience

*September 2015 – Current*

*Tutor*

*University of Edinburgh*

- Tutored/demonstrated for a range of 1<sup>st</sup>/2<sup>nd</sup> year undergraduate computer science courses, including Java, introductory C and computer systems
- Developed key time management and presentation skills, both while independently preparing for tutorials in advance and while helping tutees work through their assigned handouts
- Revised and strengthened personal understanding of essential computer science concepts

*June 2015 – August 2015*

*Software Engineer*

*University of Washington*

- Helped develop and test Android apps for ODK (opendatakit.org), a project run to provide an open-source suite of data collection tools to the developing world
- Was a key member of the core team, working on the project's critical path, both in migrating the code-base from Google Code to GitHub and rewriting the build-script in Gradle (from Ant) as part of a migration from Eclipse to Android Studio
- Set up an Android testing framework (UiAutomator), including research to identify the best technology, implementing it across multiple projects and writing scripts to test key UI elements
- Implemented a dependency handler, to ensure that a user had installed the prerequisite apps on their device for each specific tool and would display an error dialogue if not

2013 – 2015

Web Developer

London School of Economics

- Created and maintained two WordPress powered websites for LSE London, which involved JavaScript, PHP, HTML and CSS coding
- Was rehired after the initial site was completed to create a second site for a new project
- Communicated with clients over the unique/differing needs of the two sites
- Formatted/edited content that was to be displayed in accordance with the employer's wishes
- Continued maintaining sites after they went live, gaining valuable experience in the management of a website's back-end
- Received "universal praise" for the websites at the launch event according to employer

## **Additional Information**

Dual UK/US citizenship.  
Full, clean driving license.

## **Interests**

Coding mods/plugins

Computer hardware; having taken apart and reassembled (or at least attempted to) most of my home computers, I've also built multiple custom PCs from the ground up for family and friends.

Sports – taking part in a range of sports including rock climbing, squash and skiing.

Active member of the Edinburgh University Mountaineering Club.

## **References**

Available on request.