

Marshall Bradley

Edinburgh, EH8

www.marshallbradley.com

marshallbradley93@gmail.com

I am an accomplished Computer Science student with wide-ranging interests and experience across a variety of 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 technology industry.

Education

2012 – Present

Master of Informatics (5th Year)

Edinburgh University

Above required average for a First Class degree

Extreme Computing (Hadoop) – **92%**

Computer Architecture – **93%**

Computer Security – **90%**

Object Oriented Programming (Java) – **91%**

Focus on: Software Eng., Hardware, Security

2007 – 2012

Westminster School

4 A-levels

Maths (**A***)

Further Maths (**A***)

Biology (**A**)

German (**A**)

11 GCSEs

Grades **A* - A**

Skills

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

Experience

June 2016 – Current

Intern

Corero Network Security

- Worked extensively on Corero's main product, SmartWall, the market leading inline DDoS threat-prevention system
- Amongst other tasks, developed an entirely new feature primarily in Java (SDK 8), allowing a user to create snapshots of the current defence configuration, which could then be restored or exported for distribution between devices
- Performed continual unit-testing using the PowerMockito framework, aiming for 100% line-coverage in all new classes written, along with extensive use of Javadoc
- Participated in a SCRUM, including morning stand-up, regular code-reviews and 3-week sprints
- Played an active role during the entirety of a the development lifecycle, from backlog analysis to producing shippable code
- Greatly improved the required interpersonal skills for working effectively on a driven development team of 6-7 core members
- Acquainted myself with many new tools and technologies, such as NCS, Scons, vSphere and Mercurial

September 2015 – May 2016

Tutor

University of Edinburgh

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

June 2015 – August 2015

Software Test Engineer

University of Washington

- Helped develop and test ODK's (opendatakit.org) suite of Android apps, a project run to provide open-source 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 porting the build-script to Gradle (from Ant) as part of a complete migration from Eclipse to Android Studio
- Set up an Android UI testing framework (UiAutomator), including research to identify the best technology, implementing it across multiple projects and writing scripts to automate testing of UI elements
- Implemented a dependency checker, to ensure that a user had installed the prerequisite apps on their device for each specific tool, displaying an error message if not

2013 – 2015

Web Developer

London School of Econ.

- Created and maintained two WordPress powered websites for LSE London, which involved JavaScript, PHP, HTML and CSS coding
- 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
- 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 LSE London

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.