Marshall Bradley

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EDUCATION

UNIVERSITY OF EDINBURGH
May 2017 | Edinburgh, UK
First-class BSc (Hons) Computer Science

WESTMINSTER SCHOOL
July 2012 | London, UK
4 A-levels: A*-A
11 GCSEs: A*-A

LINKS

Github:// **marshallb93**
LinkedIn:// **marshallbradley93**
Facebook:// **marshallbradley93**

COURSES

UNDERGRADUATE
Parallel Architectures – 93%
Computer Architecture – 93%
Extreme Comp. (Hadoop) – 92%
Computer Security – 90%
Object-Oriented Prog. (Java) – 91%
Functional Prog. (Haskell) - 87%

SKILLS

PROGRAMMING

Over 5000 lines:
Java • C • C++ • Shell
Python • LaTeX

Over 1000 lines:
Haskell • PHP • CSS • JavaScript
Lua • MATLAB • Assembly • Verilog

Familiar:
Prolog • Perl • Gradle • Ant

TOOLS

Daily:
vim • ssh/ftp • IntelliJ/PyCharm
Git • Microsoft Office • VMWare

Often:
Atlassian JIRA • Slack • Mercurial
PuTTY • TightVNC • Notepad++

Familiar:
Eclipse • Xilinx ISE • vSphere
gdb • cscope • nmap • ncat

SYSTEMS
Windows 10/7/Vista/XP • Jenkins CI
Linux Fedora/Ubuntu/Debian/Kali

EXPERIENCE

CORERO NETWORK SECURITY | Software Engineering Intern
June 2016 – September 2016 | Edinburgh, UK

- Worked extensively on Corero's core product; SmartWall, the market leading inline DDoS threat-prevention system
- Amongst other tasks, developed an entirely new feature allowing a user to create snapshots of the current defense 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, along with extensive use of Javadoc
- Participated in an active SCRUM, including morning stand-up, regular code-reviews and 3-week sprints
- Improved work-place interpersonal skills while working effectively on a driven development team of 6-7 core members

UNIVERSITY OF EDINBURGH | Tutor
September 2015 – May 2016 | Edinburgh, UK

- Tutored a range of undergraduate computer science courses, including Java, C and computer systems
- Improved time management and presentation skills, both when preparing tutorials and whilst helping students work through their assignments
- Revised and strengthened my understanding of key computer science concepts

OPENDATAKIT | Software Test Engineer
June 2015 – August 2015 | Seattle, USA

- Developed and tested ODK's suite of Android apps, a project run to provide open-source data collection tools to the developing world
- Worked on the project's critical path, migrating the code-base from Google Code to GitHub and porting the build-script from Ant to Gradle
- Set up a UI testing framework, identifying the best technology (UI Automator), implementing it across separate projects and writing automation scripts
- Implemented a dependency checker, ensuring that prerequisite apps had been installed on a device, displaying a helpful error message if not

LONDON SCHOOL OF ECONOMICS | Web Developer
August 2013 – May 2015 | London, UK

- Created and maintained two custom WordPress powered websites for LSE
- Rehired after the initial site was completed to create a second site
- Communicated with clients over the unique/differing needs of the two sites
- Received "universal praise" for the websites at the launch event

ADDITIONAL INFORMATION

- Placed 1st in the BT portion of the Scottish Uni. Cyber Challenge (2nd overall)
- Placed 2nd in the Deloitte Cyber Threat Competition
- Building computers - I've built multiple custom PCs from the ground up for myself, family and friends
- Sports - Active member of the Edinburgh University Mountaineering Club, and also love squash/skiing
- Dual UK/US citizenship
- Full, clean driving license