

# Stephen McGRUER

## Contact Details

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## Education

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JUL 2013    **M.Inf (Hons. First Class)**    INFORMATICS    **University of Edinburgh**

## Experience

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- 06/12 - 09/12 | **Software Engineering Intern** at GOOGLE MOUNTAIN VIEW  
Software developer in the Google Web Search team, maintaining and developing the **Google Search** backend. Adapted the [Eclipse Memory Analyzer](#) for automated memory usage monitoring of a large-scale embedded JVM, and reduced memory inefficiencies in a **Java/C++ JNI** interface. Also tutored students in the [Google CSSI program](#), helping them with **Python**, **Google App Engine**, and project design and management.
- 01/12 - 05/12 | **Tutor** at SCHOOL OF INFORMATICS, EDINBURGH UNIVERSITY  
Mentored first year Informatics students in the design and development of a **Java** group project, and organized the final [demonstration day](#). Supervised programming labs, providing help and feedback on students' code.
- 06/11 - 09/11 | **Software Engineering Intern** at GOOGLE LONDON  
Software developer in the Android Marketplace Publisher Website team. Working with the **Google Web Toolkit** and **Google Chart Tools**, increased the visibility of Android app crashes to developers. Refactored large amounts of existing code to follow a Model-View-Presenter design.
- 06/10 - 09/10 | **Software Engineering Intern** at THALES OPTRONICS UK  
Working on an in-house resource management application, created a **JSP** interface between a **PHP** webpage and a [JBoss Drools](#) business rules engine to allow non-technical employees to easily define complex resource-management requirements and processes.

## Skills & Languages

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|-----------|--------------|--------------|---------|
| • AS3     | • GNU/Linux  | • • $\LaTeX$ | • SVN   |
| • • Bash  | • HTML/CSS   | • • MATLAB   | • Scala |
| • • C/C++ | • • • Java   | • • Python   |         |
| • • git   | • JavaScript | • Ruby       |         |
- Small-scale projects and/or assignments    • • Multiple projects and/or experience teaching    • • • Large-scale and/or multi-group projects

## Honors/Awards

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| 2013 | Master of Informatics, Class Medal                                   |
| 2013 | UCL CREST Final Year Computer Science Project Competition (Finalist) |
| 2011 | Netcraft Prize for Top 6 Penultimate Year Students                   |

## Activities

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running, baking, [programming](#), boardgaming, gaming