

Stephen McGRUER

Contact Details

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Education

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

Experience

- | | |
|-----------------|--|
| 10/13 - CURRENT | Software Engineer at GOOGLE CANADA Software developer in the Google Fiber TV team. Working on Google Fiber set-top box, including HLS based set-top to mobile device streaming, verified boot of an embedded system, and support for mobile device screen sharing via Miracast . |
| 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 ¹ 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

- | | | | |
|---------|--------------|------------------|---------|
| • AS3 | • GNU/Linux | • TeX | • 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

- | | |
|------|--|
| 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

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

Online: stephenmcgruer.com/downloads/resume.pdf

Source: github.com/stephenmcgruer/resume

¹Now Google Play Developer Console