

# Stephen McGRUER

## CONTACT DETAILS

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EMAIL [stephen.mcgruer@gmail.com](mailto:stephen.mcgruer@gmail.com)

WEBSITE [stephenmcgruer.com](http://stephenmcgruer.com)

## EDUCATION

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

## EXPERIENCE

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|-----------------|---|
| 10/22 - CURRENT | <b>Staff Software Engineer</b> at GOOGLE CANADA<br>Tech Lead (previously Manager, until 05/25) of the Chrome Payments team within <a href="#">Google Chrome</a> , leading a team of 4 engineers focused on improving <b>payment experiences</b> in the browser and on the web. Developing both browser features ( <b>Chrome Autofill</b> of payment information) and <b>web APIs</b> (including <a href="#">Secure Payment Confirmation</a> and Payment Request/Payment Handler). |
| 05/16 - 09/22   | <b>Senior Software Engineer</b> at GOOGLE CANADA<br>Tech Lead / Manager of the Web Payments team within Google Chrome, leading a team of 3 engineers focused on improving payment experiences on the web. Previously worked on <b>Web Interoperability</b> and <b>Rendering</b> within Chrome. Before that (until 2017), Tech Lead for the Google Fiber Content Playback team, building playback experiences on an embedded set-top box as well as iOS and Android applications.  |
| 10/13 - 04/16   | <b>Software Engineer</b> at GOOGLE CANADA<br>Software developer in the <a href="#">Google Fiber</a> TV team. Working on Google Fiber set-top box, including <b>HLS</b> based set-top to mobile device streaming, <b>verified boot</b> of an embedded system, and support for mobile device screen sharing via <a href="#">Miracast</a> .  |
| 06/12 - 09/12   | <b>Software Engineering Intern</b> at GOOGLE MOUNTAIN VIEW<br>Software developer in the Google Web Search team, maintaining and developing the <b>Google Search</b> backend. Adapted the <a href="#">Eclipse Memory Analyzer</a> for automated memory usage monitoring of a large-scale embedded JVM, and reduced memory inefficiencies in a <b>Java/C++ JNI</b> interface.   |
| 06/11 - 09/11   | <b>Software Engineering Intern</b> at GOOGLE LONDON<br>Software developer in the Android Marketplace Publisher Website <sup>1</sup> team. Working with the <b>Google Web Toolkit</b> and <b>Google Chart Tools</b> , 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   | <b>Software Engineering Intern</b> at THALES OPTRONICS UK<br>Working on an in-house resource management application, created a <b>JSP</b> interface between a <b>PHP</b> webpage and a <a href="#">JBoss Drools</a> business rules engine to allow non-technical employees to easily define complex resource-management requirements and processes.   |

## SKILLS & LANGUAGES

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|-------------|----------------|----------|
| • Bash      | • GNU/Linux    | • Python |
| • • • C/C++ | • • Java       |          |
| • • git     | • • JavaScript |          |
- 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, learning French

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Online: [stephenmcgruer.com/resume.pdf](http://stephenmcgruer.com/resume.pdf)

Source: [github.com/stephenmcgruer/resume](https://github.com/stephenmcgruer/resume)

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<sup>1</sup>Now Google Play Developer Console