

Stephen McGRUER

CONTACT DETAILS

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EDUCATION

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

EXPERIENCE

- 12/16 - CURRENT | **Senior Software Engineer** at GOOGLE CANADA
Senior Software Engineer on the Google Chrome team. Currently Tech Lead / Manager of the Web Payments team, leading a team of 3 engineers focused on improving payment experiences on the web from e-commerce to alternative monetization efforts. Previously worked on Web Interoperability and Animations.
- 05/16 - 11/16 | **Senior Software Engineer** at GOOGLE CANADA
Technical Lead of the Google Fiber Content Playback team. Leading a team of 7 engineers supporting content playback across three ecosystems; an embedded set-top box providing the main TV experience, and both iOS and Android apps providing a mobile experience for Fiber TV customers.
- 10/13 - 04/16 | **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.
- 06/11 - 09/11 | **Software Engineering Intern** at GOOGLE LONDON
Software developer in the Android Marketplace Publisher Website¹ 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

- 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

- 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