

# Calum Gilchrist

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## Education

BSc Computer Science at Heriot Watt University, Edinburgh, 2014. On track to receive a first class degree.

**Dissertation** Investigating different methods of disambiguating named entities in spoken word navigation applications. Different methods will be executed and tested against a current spoken word based navigation system.

Two courses of note:

### **Database Management Systems (DBMS)**

Design and implementation of a database for farmers to keep track of their livestock and income. Entity Relationship diagrams were used to design the table layout and MySQL was used as the DBMS.

### **Software Engineering**

A 6 month group project to deliver a tournament organisation application. Implemented using Ruby on Rails.

Received three Certificates of Merit.

**Advanced Highers:** Physics [B], Mathematics [B]

**Highers:** Computer Science [A], Technological Studies [A], Chemistry [A], English [B]

## Employment

**DevOps Engineer** at *Cloudreach Limited*, May 2013 - Present

Mixed role dealing with customers for Google Apps and *Amazon Web Services (AWS)* platforms. Troubleshooting and configuration of AWS and Google Apps environments for a variety of customers. Experience gained while working at Cloudreach:

Use of a variety of AWS systems and tools for troubleshooting and configuration of AWS application stacks and the underlying infrastructure.

Configuration and troubleshooting experience for a variety of Linux and Windows applications and servers.

Programming with Ruby and Google Apps Script for in-house applications.

Use of the Scrum methodology in application development.

Maintenance and deployment of our monitoring system using Chef.

## Skills Profile

Helped develop a prototype Ruby on Rails application for ScranClan.com, a startup created during Startup Weekend, Glasgow 2013.

Developed a HTML5 web game in CoffeeScript for a 48 hour game competition.

Worked in a three man team in the creation of a 3D First Person Shooter for the 7 Day First Person Shooter competition using Java with the JMonkey Engine.

Have designed, developed and hosted several iterations of a personal website and projects on varying servers and hosting platforms.

Worked as an events photographer for the Hippodrome Monster Movie Day, The JRs Charity Concert and for Grangemouth Rugby Football Club.

## Technical Skills

Use of Debian and Red Hat style Linux distributions as part of internship and in personal projects.

Earned the AWS Technical Professional Accreditation, which outlines the basics of the AWS services.

Used C to modify compilers and interpreters in a Programming Languages module at university.

Experience with Unit Testing, primarily with RSpec in RoR.

Application development with Java, Ruby and Python programming languages.

Used the git *version control system* in all personal and professional projects

Familiar with web standards such as HTML5, CSS3 and JS through development of personal websites and projects.

Developed a lightbox for a photo gallery using the JQuery library.

Produced static websites for a small events company and for a local event.

## Additional Information

Attend monthly meetings at Edinburgh Tech Meetup.

Member of Falkirk Linux User Group for 3 years.

Delivered a talk on Open Source Photography Software at the Falkirk Linux User Group.

Developed and photographed all the headshots used in the Graeme High School 2010 Year Book.

Played for Grangemouth RFC for 3 years as a winger.

Assisted in setting up and running live video for a Battle of the Bands.