

# Callum Massey

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## CONTACT INFORMATION

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## PROFILE

Computer Science graduate. Life member of the Swansea University Computer Society. Software developer, systems administrator and good communicator skills. Keen interest in all aspects of computing especially concerning Linux and open source software.

## EDUCATION

**Swansea University** 2011 – 2014

BSc(Hons.) Computer Science

**Garforth Community College, Leeds** 2003 – 2010

3 x A Levels: Mathematics (C), Physics (D), Chemistry (D)

1 x AS Level: Further Mathematics (D)

13 x GCSEs (A – C)

## TECHNICAL SKILLS

- Languages: C, Python, PHP, Java, C#, Bash
- Experienced in Linux, Windows and IRIX systems administration including ansible automation
- Web development, client- and server-side scripting
- Use and maintenance of PostgreSQL database management systems and also some experience with MySQL
- Virtual server administration experience with VMware, Hyper-V and KVM
- Low-level networking, administration and maintenance
- Hardware assembly and troubleshooting skills

## OTHER SKILLS

- Able to read and understand code easily; learn languages quickly
- Effective, accurate and concise use of English
- Software release cycle management
- Collaboration using source code management and versioning systems (Git/SVN)

## WORK

### EXPERIENCE

#### **SAIL Databank, Swansea University**

*Data and Programming Assistant*

**October 2014 - Present**

As part of the Medical Analyst team I worked as a software developer creating tools to help with the analysis process in an effort to move simple tasks away from the technical team and into the hands of senior analysts. I also created a set of ansible scripts to auto deploy an ELK stack on a cluster of servers to use to query internal domain logs.

#### **Opinion Research Services**

*Assistant Developer*

**July - October 2014**

I spent most of my time here working on their internal data visualisation and graphing application, which is used to generate reports to send to various public sector clients. I fixed long standing bugs and added new features to this existing application. I also created an internal site to keep track of the status of the 3rd party data sets the company uses and check if a new version was available, where possible, and then start downloading and updating the database, as automated as the data release allowed.

#### **Health Informatics Research Unit, Swansea University**

*Intern System Administrator*

**July - September 2013**

During the summer between my 2nd and 3rd year I worked with the team across several roles. Including software development and systems administration projects.

**ServerChoice Systems Admin Work Experience**

**April 2013 - 2 weeks**

## ACHIEVEMENTS & INTERESTS

#### **Swansea University Computer Society: 2010-Present**

President of the society in 2011 and ongoing member of the systems administration and development teams. Tasks (informally) include maintenance of a Debian and Fedora Linux network, including web and mail servers, and a number of desktop machines with over 200 user accounts authenticated against a central LDAP server. Also provide advice on programming, systems administration and society management to newer members. Through this I have also been part of creating the live video streaming software that we run at Students' Union events and record and edit them to later upload to their site, all of which is based upon open source software.

#### **Miscellaneous**

While I take my interest in computers beyond work too I do have a keen interest in music and have over the past year been trying to learn to play bass guitar I also enjoy puzzles and computer games and I take a keen interest in current events, particularly concerning open source software and related issues in business and law.

References available upon request.