

# Callum Guthrie | Curriculum Vitae

CLIENT SERVICES DATA ANALYST · COMPUTER SCIENCE GRADUATE

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## Applicable Experience

### TVSquared

Edinburgh, Scotland

CLIENT SERVICES DATA ANALYST

May. 2015 - PRESENT

- Manipulating, cleansing and processing data using *Excel*, *MongoDB* and *PostgreSQL*.
- Responsible for loading, extracting and validation of client data.
- Analysing raw data, drawing conclusions and developing recommendations
- Data entry, data auditing, creating data reports and monitoring all data for accuracy.
- Troubleshoot with clients from around the world.
- Supplying qualitative and quantitative data to colleagues and clients.

### Children 1ST (Charity)

Edinburgh, Scotland

CORPORATE DATABASE PROJECT VOLUNTEER

Feb. 2015 - Jun. 2015

- Extensive use of the fundraising database tool *Raiser's Edge* (*Blackbaud, Inc.*)
- Ensure that the corporate fundraising team has all database records up to date and amend any records where changes have occurred.
- Advising on the suitability of methodologies and suggesting improvements.
- Work on the database project so that historical records are correct and in-line with database protocols.

### Marks and Spencer

Livingston, Scotland

CUSTOMER ASSISTANT

Oct. 2011 - Jul. 2015

- Responsible for maintaining a database which correlates information concerning the company's energy saving strategy.
- Retrieve information regarding the store's energy saving performance and update the database accordingly.

## Academic Qualifications

### Heriot-Watt University

Edinburgh, Scotland

B.S.C (HONS) IN COMPUTER SCIENCE - UPPER SECOND CLASS

Sep. 2012 - May. 2016

- First class dissertation thesis: A Comparison of NoSQL and Indexing Solutions for Big Data

### Braes High School

Falkirk, Scotland

SCOTTISH HIGHERS

Aug. 2004 - Jun. 2010

- 4 passes: English, Mathematics and Modern Studies at grade B and Physical Education at grade C

## Technical Abilities

### PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

### PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

### MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - PRESENT

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

## Honors & Awards

INTERNATIONAL

- 2014 **Finalist**, DEFCON 22nd CTF Hacking Competition World Final
- 2013 **Finalist**, DEFCON 21st CTF Hacking Competition World Final
- 2011 **Finalist**, DEFCON 19th CTF Hacking Competition World Final
- 2012 **6th Place**, SECUINSIDE Hacking Competition World Final

*Las Vegas, U.S.A*  
*Las Vegas, U.S.A*  
*Las Vegas, U.S.A*  
*Seoul, S.Korea*

#### DOMESTIC

- 2015 **3rd Place**, WITHCON Hacking Competition Final
- 2013 **Silver Prize**, KISA HDCON Hacking Competition Final

*Seoul, S.Korea*  
*Seoul, S.Korea*

## Presentation

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### 6th CodeEngn (Reverse Engineering Conference)

*Seoul, S.Korea*

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

*Jul. 2012*

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

## Writing

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### A Guide for Developers in Start-up

*Facebook Page*

FOUNDER & WRITER

*Jan. 2015 - PRESENT*

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

### AhnLab

*S.Korea*

UNDERGRADUATE STUDENT REPORTER

*Oct. 2012 - Jul. 2013*

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

## Program Committees

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- 2013 **Organizer & Co-director**, 1st POSTECH Hackathon
- 2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

*S.Korea*  
*S.Korea*