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Alex Macmillan MEng
Curriculum Vitae

Employment and Skills

2014 – Present
A/B TESTING, MONGODB, HEROKU
CONTINUOUS INTEGRATION, SWIFT

Intuary, Inc., New York City — farfaria.com
Senior Developer
Assisted Intuary, a maturing startup, with growth and platform diversification. Ported Intuary's iOS app "FarFaria", a "Netflix for Children's Books", to Android in three weeks. Made FarFaria's website responsive. Automated the Android build process to enable hands-off production and maintenance of hundreds of "single-story apps" for pre-install on child-oriented tablets.

2011 – 2013
PROJECT + TEAM MANAGEMENT

Six to Start, London — sixtostart.com
Lead Developer
With rapid company growth following the success of Six to Start's flagship fitness game "Zombies, Run!" lead a team of five devs to expand the product and develop new games.

2010 – 2011
iOS, ANDROID, RAILS, AWS

Six to Start, London — sixtostart.com
Developer
Began as Six to Start's sole developer with work on projects for clients including eBay, the BBC and Wired(UK) magazine. With the company deciding to shift focus to it's own products, developed "Zombies, Run!" for iOS and Android, which has sold millions of copies at an average price of around $4.

2011 – Present
CLIENT MANAGEMENT

Stripe Software Solutions LLP — stripesolutions.com
Founding Partner and Technical Director
Partnered with a university friend to market and extend software developed while studying at university. Our volunteering web application "XVS" has connected 12000 volunteers with 2000 charities, resulting in 60,000 hours of recorded volunteering activity.

2010 – 2011
ENGINEERING FOR SCALE, GIT

Edinburgh University Students Association, Scotland
Systems Developer
Developed databases and web applications to assist with student life and the operations of the student association.

Summer 2007
JAVA

IBM (UK), Greenock, Scotland
Student Software Engineer
Worked on the "Tivoli" product line, introducing new internet technologies to a B2B product. Worked on support software for IBM's "Reserve Edition" series of ThinkPad laptops.

2006 – 2014
LINUX ADMINISTRATON
APACHE, MYSQL, WSGI
PHP, PYTHON, DJANGO
HTML, CSS, JAVASCRIPT

Internet Services and Design — x13n.com
Self-employed, offering small-scale website design and programming with a focus on accessible and friendly support. Clients included production companies, charities and individuals.

Education

2004 – 2009 University of Edinburgh, Scotland
MEng (J. Hons) Electronics and Computer Science – First Class

Publications

Slow Frequency Hopping for Mitigating Tidal Fading on Rural Long Distance Over-Water Wireless Links
Alex Macmillan, Mahesh K. Marina, Jhair Tocancipa Triana

Presented at the INFOCOM 2010 WIP track

Stix: A Goal-Oriented Distributed Management System for Large-Scale Broadband Wireless Access Networks
Giacomo Bernardi, Matt Calder, Damon Fenacci,
Alex Macmillan, Mahesh K. Marina

In proceedings of ACM Mobicom 2010

Awards

IEC William L Everitt Prize 2009
Awarded to an outstanding Electronics or Informatics student with an interest in communications and computers.

Agilent Prize 2007
Awarded to the student who has obtained the highest overall mark in Computer Science and Electronics.

Award for Technical Achievement in Sound 2006
Awarded at the National Student Drama Festival.