Hayden Duncan Stainsby

Mobile: +34 620 304 130
Email: hds@caffeineconcepts.com
Date of birth: 27 April, 1983
Nationality: Australian

Curriculum Vitæ

Experience

Research Fellow, Universitat Autònoma de Barcelona, Spain — 2013-present
New research in the area of computational number theory. This position also includes responsibility for teaching undergraduate level classes.

Systems Developer & Administrator (part time), Titan Entertainment Group, UK — 2007-present
Development of mobile and web applications and administration of web servers. During this position I shipped a number of digital comic and retail based iOS applications, including an app that made it to #3 on the free apps list. I developed app code and backend services for all apps.

Mobile developer (freelance), Bravo Tango Bravo, Australia — 2008-2014
Development of three iOS apps for different clients. I was able to offer fast turn arounds on apps with frequently changing requirements. As a one off project I also developed a mobile game.

Assistant IT Manager, Titan Entertainment Group, UK — 2006-2007
Management of a team of IT support personnel. The IT support team performed installation of PCs and services running MacOS, Linux and Windows operating systems. My role also included server development.

IT Support, Titan Entertainment Group, UK — 2005-2006
Assisting users with problems related to graphical design and office applications running on Mac and Windows platforms. Installation of desktop machines.

Education

Universitat Autònoma de Barcelona, Spain
Ph.D. in Mathematics, 2010-2014. Thesis titled "Triangular bases of integral closures."

Escoles Universitàries Gimbernat i Tomàs Cerda, Spain
Masters in Multimedia Design, 2009-2010

Universitat Autònoma de Barcelona, Spain
Masters in Computational Science & Engineering, 2008-2010

Monash University, Australia
Bachelors of Digital Systems, 2002-2004

Sample projects

Wallace & Gromit 1: The W Files iOS app, 2009-2010

A simple app that included a single digital comic (this was the days before in-app purchases). This is the app that made it to #3 on the free list.

Titan Comics iOS app, 2010-2011

This was the follow up to the one-off digital comics we made. A single in-app purchase enabled store for all our digital titles. In its day it was like Comixology's little sister. I also built a custom back-end with Python/Django to support the in-app purchases and user accounts. The app is still functioning, but hasn't been updated in a while.

Truckie's Mate iOS app, 2010-present

This app was developed for Western Star trucks as a companion app for Australian truck drivers. It provides regulation information for Australia as well as emergency details and is able to store information about an accident to be sent directly to an insurer.

Water Water Everywhere iOS app, 2011-2012

An app that allows people to discover and submit locations where they can get free water. I developed this app as a pro bono job for a London based copy-writer who developed the concept as a side project.

Barcelona Number Theory Seminar web site, 2013-present

A multilingual web site used to organise and promote the yearly number theory seminar in Barcelona. I developed this website in Python/Django.

Skills

Languages

English (mother tongue), Spanish (fluent), Catalan (intermediate), German (basic).

Communication skills

I have considerable experience working on team projects, liaising with coworkers who are both onsite and remote.

Programming languages

Python, Objective-C, C, Javascript, Perl, Magma, Java.

I have experience deploying web-sites using open source back- and front-end stacks, primarily: Linux, SaltStack, PostgreSQL, nginx, gunicorn, Django, Grunt, AngularJS.

References

References available on request.