Portfolio – Home page

I am a highly motivated self-starter seeking to combine my passion for software development and experience in data management and analysis in a data science role.

Between online courses, personal projects and on the job experience I have built a broad portfolio of skills and technology that might be combined in any number of tech roles to complement any number of teams.

I have built this site to demo some of the things I do, inside and out of work. Fun words include Java, R, Python, css, HTML, Javascript, D3.js, MongoDB, NoSQL, iOS programming, Google App Engine, SciKit-Learn and the magic Hadoop

Portfolio - About

I want to be a data scientist

My name is **Tom Ridd**. I am the **data manager** and **analyst** at LaSwap Sixth Form Consortium in North London. It’s an interesting situation where good data makes a visible impact on people’s lives but I’m still on the look out for a wider challenge.

Whenever possible, at work and outside, I am a **coder**, analyser, explorer of technology and committed **self developer**.

I have applied considerable effort exploring **data science** from every angle. I have built a **wide** **data skill set** and seek the opportunity to apply this in a larger setting.

Mathematical Background

I have an **MSc with Distinction** in Management Science and **Operational Research** from The University of Warwick. This adds to a **2:1 BSc in Applied Mathematics** from the same institution.

Other

I am based in London where I live with my partner and spend my time maintaining a weight equilibrium through quality cookery and distance running.

Technology

Work keywords: R, Python, SQL, VBA

Home keywords: MatLab, Hadoop, Google App Engine, Flask

Events

Public Sector Data Hackathon

Hack the Townhall

Angelhack: London

Online Courses

Machine Learning - Matlab

Introduction to Data science – Python, Sci-kit Learn

Big Data in Education (Columbia) – Excel, RapidMiner

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My name is **Tom Ridd**. I am the **data manager** and **analyst** at LaSwap Sixth Form Consortium in North London. It’s an interesting situation where good data can make a visible difference but I’m still on the look out for something a little more **challenging**.

In my spare time I am a **coder**, analyser, explorer of technology and committed **self developer**.

For the past year I have been applying considerable effort boosting my **tech credentials** in every possible way. I hope the

Portfolio

These projects were not only some of my favorites to work on but are also neat in that they demonstrate my ability to function in many technical roles and with a .

Wikiwhere – Mobile Developer

iOS, iPhone, geolocation, Sparql, APIs

I have released two apps on the AppStore. Much to my resentment Wikiwhere has the fewest downloads by a magnitude but it is a sophisticated app that uses a variety of technologies.

Wikiwhere picks up all the geocoded Wikipedia articles close to a given point. It uses as its primary source the moderately popular Geopedia API and two sources that hook into the semantic web using SPARQL.

The UX went through a number of iterations but still requires work.

Kaggle – Machine Learning

R, Python, numpy, scikit-learn,

Kaggle.com runs a series of online machine learning events where contestants compete to produce the most accurate predictive models for a given dataset. I have done 2 & a half Kaggle contests so far. I count the half because it was by far the most mature model I built and the fact that I didn’t complete the full set of objectives (i.e. give an actual prediction) doesn’t lessen my satisfaction

SchoolInsight – Full stack data scientist

Pig, Hadoop, MongoDB, Wonderdog, ElasticSearch, Java, Python, R, Flask, Jinja2, D3.js

SchoolInsight is a full stack data product that. To add that extra little something to the mix

The book Agile Data Science by Russell Jurney describes a . It is a useful guide that gives an insight into and just how quickly instructions for integrating open source software can go out of date.

LaSwap 2014 – Full stack web-app developer

Google App Engine, Python, Responsive design, JQuery

My teachers have always wanted past GCSE results for incoming students. It isn’t an unreasonable request but in practice the only way to acquire student results is to ask them. I was able to work with the admissions team and other users to design an app to collect this information.

I have successfully brought some of my independently learnt skills back to my current workplace. During the implementation of a major systems change I was able to spot early warning signs of failure: the proposed system would not implement the flexible data sharing it promised. I was able to effectively communicate the problem to key stakeholders and implement tactical workarounds using R and Python.

There’s this feeling you get when the code starts working. Quiet satisfaction would be the most dignified response but I tend to smack my hands together. That’s why I want to write code for a living.