

# Daniel Kristopher Harvey

daniel.harvey -at- dunelm.org.uk

www.danharvey.co.uk

## Education

Sep 2008 - Aug 2009 **M.Sc. Artificial Intelligence**, The University of Edinburgh

- Distinction level with courses and dissertation
- Majoring in Machine learning, Data Mining and Information Retrieval
- Minor in Entrepreneurship, Semantic Web and Global Change Modelling
- Dissertation forecasting H1N1 prediction markets from blog posts and tweets

Oct 2005 - Jun 2008 **B.Sc. Hons. Natural Sciences**, Durham University

- Upper Second Class Level
- Computer Science, Physics and Maths
- First class dissertation on the performance of wireless ad hoc networks

Sep 2003 - May 2005 **A Levels**, Arnold Hill Technology College

- Grade A in Maths, Physics and Chemistry GCE A Levels
- Grade A in Geography GCE AS Level

## Employment

Feb 2010 - Present **Lead Engineer**, Datamining Team, Mendeley

Sep 2009 - Jan 2010 **Datamining Engineer**, Mendeley

- Started off and grew the datamining team beside two existing product teams
- Architected core data warehousing and processing system (Hadoop, HBase, Pig)
- Helped develop our research article de-duplication system
- Produced an internal SOA for transferring data in and out of the team
- Helped shape the feel and atmosphere of the company in and out of work
- Involved with internal hack days and weekends

Jul - Sep 2007 **Software Engineer**, IBM UK Hursley Labs

- Three month internship on the Web Sphere Messaging and Transaction Team
- Worked on the Apache Woden open source WSDL parser
- Rewrote build, test and release system
- Researched code licensing issues and implemented XPointer support
- Took part in Reading Group, Cycling Club and Ultimate Frisbee Team

Jan 2006 - May 2007 **Director of Technology**, Vimuse Technologies Ltd.

- Won two awards, office space and £10,000 funding at the North East Blueprints
- Created flexible development infrastructure and initial system documentation
- Founder of Gofr, a social network and localised event marketing platform
- Interviewed and introduced new team members to the development system
- Designed web service system architecture and hardware systems

## Positions of Responsibility

Jan 2011 – Present **Organiser**, UK Hadoop Users Group

- Arranged and curated speakers for monthly meetings
- Organised venues and coordination of schedule
- Found sponsoring for evening food and drinks

Apr 2007 - Mar 2008 **Music Chair**, Trevelyan College JCR

- Chaired, organised and was responsible for the Live Music Committee
- Ran college music events and maintained music facilities and equipment
- Organised and stage managed music events including budgeting and licensing
- Events included unplugged nights with 20+ bands and Trevstock with 40+ bands
- Worked with Social Committee on balls and college events
- Sat on the Finance Committee to approve applications and audit JCR accounts
- Created event sign-up web application for bands to increase efficiency of events

Apr 2007 - Mar 2008     **President**, Trevs Jazz

- Responsible for running the band at rehearsals and gigs with help from the Exec
- Managed the Exec to follow their roles and organise twice semester meetings
- Represented the band to clients for booking gigs and to college officers
- Created the music repertoire for rehearsals and gigs with the Musical Director
- Recruited new members of the band at freshers fairs, and extras as needed
- Logistics for the band and equipment at gigs

Apr 2006 - Mar 2007     **Treasurer**, Trevelyan College Choir

- Looked after finances and sorted out an inaccessible bank account

Apr 2006 - Mar 2007     **Technical Manager**, Trevelyan Jazz

- Organised and set-up music equipment for gigs and rehearsals

Apr 2006 - Mar 2007     **Vice Captain**, Trevelyan College Ultimate Frisbee Team

- Organised weekly training, finances and order team kit

## Technical Experience

- Programming: Java, Python, PHP, Javascript,
- Databases: HBase, Voldemort, MongoDB, MySQL 4 - 5 , Postgresql 8, SQLite
- Tools: Eclipse, Subversion, Git, Ant, Maven, JIRA, Trac
- Datamining: Hadoop, Pig, Weka, Matlab, Orange
- Web: HTML, XML, JSON, REST, RDF
- Systems: Linux, Windows, Mac OS X
- Infrastructure: Puppet, Amazon Web Services

## Other Achievements

- Half Colours 2008, Trevelyan College
- Blueprint Award, North East Universities Business Planning Awards 2006
- Gold Duke of Edinburgh's Award
- DVLA Driving License (Full Clean)
- The Associated Board of the Royal School of Music Clarinet Grade 5

## Interests

I like performing on the Saxophone, Clarinet and Percussion with friends, in bands, musicals and singing in choirs. Outdoors I enjoy walking, mountain biking, playing ultimate frisbee and, when I'm near water, sailing and windsurfing. In my spare time I like to relax by listening to music and socialising with friends.

## References

Please ask for references from previous employment and education.