

Will Webberley

Curriculum Vitae

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Education

- 2010–2014 **PhD Computer Science**, *Cardiff University*,
(expected) "*Inferring Interestingness in Online Social Networks*".
Exploring information propagation in online social networks. In particular, the use of Bayesian machine learning methodologies for the prediction of Tweet popularity in Twitter as a basis for the inference of interesting Tweets in Twitter.
- 2007–2010 **BSc Computer Science**, *Cardiff University*.
First Class Honours
- 2006–2007 **A-Levels**, *King's School, Worcester*.
To A2-level: Mathematics, Biology, Chemistry
To AS-level: Physics

Peer-Reviewed Publications

- Sept. 2013 **Inferring the Interesting Tweets in Your Network**,
Will Webberley, Stuart M Allen, Roger M Whitaker,
in Workshop on Analyzing Social Media for the Benefit of Society (SOCIETY2.0),
3rd International Conference on Social Computing and its Applications (SCA).
At: Karlsruhe, Germany / Reviewed: Blind peer-reviewed / Publisher: IEEE
- Sept. 2011 **Retweeting: A Study of Message-Forwarding in Twitter**,
Will Webberley, Stuart M Allen, Roger M Whitaker,
in Workshop on Mobile and Online Social Networks (MOSN'11), 5th International
Conference on Network and System Security (NSS).
At: Milan, Italy / Reviewed: Double-blind peer-reviewed / Publisher: IEEE

Experience

- 2010–Present **Teaching assistant and student supervisor**, *Cardiff University*, UK.
The teaching of undergraduate and masters students at all levels and on a wide range of topics as a module tutor, group supervisor, practical lab leader, etc. Also responsible for the assessment (including feedback) of student work in the form of coursework, practical demos, project reports, presentations, etc.
Examples of subjects: Python, JAVA, computer architecture, mobile communications and meta heuristics, algorithms and data structures, communication & professional skills, assembly language
Examples of supervised projects: Social media visualisation toolkits, coursework assistance tools, user-contributed geo-information sharing mobile app design, etc.

2010 **Abercrombie & Fitch**, *Hollister Impact*.

Responsible for organising the shop floor, receiving and organising shipments, keeping track of stock and replenishment. Skills gained included communication across teams in a multi-discipline environment, precise organisation and being accurate with stock.

2009 **Pulse Nightclub**, *Bar staff*.

Bar work as part of a vibrant and outgoing team. Direct contact with customers helped improve communication and teamwork skills, confidence, quick-thinking in a very fast-paced environment and over prolonged lengths of time. Responsible also for the supervision of new members of staff.

Community Involvement & Contribution

Articles ○ "Direct-to-S3 File Uploads in Python", *Heroku* 2013
- Invited development article for Heroku's *Dev Center*

Talks ○ **Informal**

- "The Flask Microframework", 2013
- "Node.js", 2012
- "Introduction to L^AT_EX", 2012
- "Developing Google Chrome Extensions", 2011

○ **Formal / academic**

- "Inferring the Interesting Tweets in Your Network", *SOCIETY2.0, Karlsruhe, Germany*, 2013
- "Finishing a PhD in Under 4 Years", *COMSC Research Retreat*, 2013
- "Inferring interesting Tweets from your Network", *COMSC Informatics Group Seminar*, 2013
- "Modelling the behaviour of retweets", *COMSC Research Retreat*, 2012
- "Retweeting: A Study of Message-Forwarding in Twitter", *MOSN'11, Milan, Italy*, 2011
- "Getting relevant information to the right people in social networks", *COMSC Research Retreat*, 2011

Events ○ **Organised**

- FTS seminar series, *School of Computer Science & Informatics* 2010-2013
- DigiSocial Hackathon, 2012

○ **Taken part in**

- Cardiff Open Sauce Hackathon, 2013 - **Award:** prize for best team

Projects *Examples of software projects completed in my spare time (more on request):*

- WekaPy - Python wrapper for the WEKA machine-learning toolkit
- Gower Tides - Android app for tidal, surf, and weather reports for the Gower
- Various apps/sites for friends & family

Relevant training

2010 Demonstrating Laboratory Based Teaching - *UGC*

2010 Assessing Student Learning in the Sciences - UGC

Academic Awards

- 2013
 - Department award for best research presentation
 - Department award for best research poster
 - Student award for best research poster
- 2012
 - Awarded £850 funding to host an interdisciplinary hackathon between SOCSI and COMSC
 - Department award for best research presentation
- 2011
 - Student award for best research poster

Skillset

Technical

I am experienced and enjoy working with the following languages and techniques.

Proficient Python, JAVA, BASH, SQL, \LaTeX , HTML, JavaScript, PHP
Intermediate Perl, Ruby, C, C++

Platforms and Technologies

I am also used to working with the following technologies, systems, and platforms.

Proficient Git, Android, GNU/Linux, UNIX, Flask, NoSQL (MongoDB, CouchDB, etc.), WEKA
Intermediate Django, Node.js, Rails