

Will Webberley

Curriculum Vitae

School of Computer Science & Informatics
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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 in the prediction of Tweet popularity in Twitter as a basis for the inference and ranking of interesting Tweets.
- 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

Experience & Employment

- 2010–Present **Teaching assistant and student supervisor**, *School of Computer Science & Informatics, Cardiff University, UK*.
Many hours a week of teaching of undergraduate and masters students on a wide range of topics as a module tutor, year-long group supervisor, practical lab leader, and in lecture-style sessions. Also responsible for the assessment (including feedback) of student work in the form of coursework, practical demos, project reports, and presentations.
Examples of subjects: Python, JAVA, web application programming, 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
- 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.

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

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 (JAVA) 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

General

I have excellent written and verbal communication skills, I am experienced in working in interdisciplinary and distributed research teams and collaborations and I enjoy conveying ideas and research through reports and presentations.

Technical

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

Proficient Python, JAVA, PHP, BASH, SQL, L^AT_EX, HTML & CSS, JavaScript (inc. JQuery, etc.)

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 platforms (MongoDB, CouchDB, etc.), WEKA

Intermediate Django, Node.js, Rails