

Stuart Lynn

CONTACT INFORMATION

1817 South Allport
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Place of Birth: Irving, Scotland

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D.O.B: February 6, 1984

EDUCATION

University of Edinburgh,

Ph.D., Astrophysics, 2005 - 2009

Thesis Topic: Simulation Large Cosmology surveys with calibrated halo models

Adviser: Professor John Peacock

MPhys (First Class), Mathematical Physics, 2000-2005

EMPLOYMENT

Adler Planetarium (2013-Current) - Zooniverse Technical lead. This role involved coordinating a team of 10 developers split between the Adler Planetarium and Oxford university to build and maintain the underlying infrastructure and projects that constitute the Zooniverse. In addition I was/am PI on a number of grants researching ways to understand and move forward the field of Citizen Science.

Adler Planetarium (2013-2015) - Postdoctoral researcher for NSF Social-Computational Systems Grant at the Zooniverse.

Adler Planetarium (2012-2013) - SETI Citizen Science project developer.

Oxford University James Martin Fellow (2011-2012) - Researcher and developer on the Zooniverse citizen science project.

Oxford University (2010-2011) - Postdoctoral researcher and developer on the Zooniverse citizen science project.

University of Edinburgh - Postdoctoral researcher (2009 - 2010) I was employed by the University of Edinburgh to work on the EUCLID project. This involved using methods developed in my PhD to produce mock galaxy catalogues.

Royal Observatory Visitors Centre (2001-2006) - Part time position at the Royal Observatory Visitors Centre as a science communicator and duty officer.

GRANTS

Principle Investigator - NSF: Social Computing Systems. The SOCS grant was awarded to the Zooniverse to create a next generation platform for citizen science. The aim of this platform was to better utilize and target the attention of citizen scientists by combining sophisticated user modeling with machine learning algorithms. This was accomplished by collaborating with machine learning experts and sociologists at Microsoft Research and Syracuse University

Principle Investigator - NEH: Scribe. A joint grant with the New York Public library. This grant draws on the success of crowdsourced transcription projects like “OldWeather“, “NotesFromNature“ and “Whats on the Menu“ to produce an open source transcription platform that will allow museums and collections around the world to quickly develop their own transcription projects.

FELLOWSHIP

Oxford Martin School Fellow. I was a fellow in the Cosmology stream of the Oxford Martin School. This school is set up to promote cross discipline interaction to solve the problems facing humanity in the coming century. This fellowship supported the work on the OldWeather project.

Beltane Beacon for Public Engagement Fellowship. The Edinburgh Beltane Beacons for public engagement fellowship program, is a program to encourage outreach within university departments and to promote a culture of engagement.

PUBLIC ENGAGEMENT IN SCIENCE

Science Hack Day Ambassador 2012/2014. Organized annual Science Hack Days at the Adler planetarium, These events saw participants spend 24 hours at the Adler to produce science based projects

Civi Hack Day Organizer. Organized annual Civic hack days at the Adler planetarium as part of the National Day of Civic hacking.

Dark Skies Scotland. This was a program to bring Astronomy to rural parts of Scotland and to promote dark skies tourism. I organized, participated in and delivered presentations demos and talks a most of these events and worked with the core team to produce resources for the project.

TECHNICAL SKILLS

Programing Languages C, C++, Objective C, Java, Fortran, Python, Unix shell script-ing, SQL, CVS, SVN, Perl. Web Technologies: PHP, Javascript, Coffeescript, Ember.js, React, Polymer, SQL (MYSQL, postgresSQL), CSS, XML, XHTML, Ruby On Rails, MongoDB

Other: Github, TEX, LATEX, BibTEX., and other common productivity packages for Windows, OS X, and Linux platforms. Amazon Web Services, Heroku and other highly scalable web deployment platforms.

OPEN SOURCE PROJECTS

Scribe (<https://github.com/zooniverse/Scribe>) Scribe is a framework for generating crowd sources transcriptions of image based documents. It provides a system for generating templates which combined with a magnification tool guide a user through the process of transcribing an asset (an image).

Journal of Brief Ideas (<https://github.com/openjournals/brief-ideas>) The Journal of Brief Ideas is an experimental journal specifically for short ideas and results. With a limit of 200 words, the journal encourages people to share ideas that are too short for conventional papers.

The Open Journal (<https://github.com/openjournals/theoj>) The Open Journal is a platform that allows anyone to set up a peer review journal. It allows editors to assign papers to referees who then can review submitted papers and interact with their authors through a novel and intuitive web based interface.

RECENT
PUBLICATIONS

"I want to be a Captain! I want to be a Captain!": Gamification in the Old Weather citizen science project. Gamification '13: Proceedings of the First International Conference on Gameful Design, Research, and Applications. (pp. 79 - 82): Eveleigh, A; Jennett, C; Lynn, S; Cox, AL;

Planet Hunters: the first two planet candidates identified by the public using the Kepler public archive data -Fischer, Debra A.; Schwamb, Megan E.; Schawinski, Kevin; Lintott, Chris; Brewer, John; Giguere, Matt; Lynn, Stuart; Parrish, Michael; Sartori, Thibault; Simpson, Robert; Smith, Arfon; Spronck, Julien; Batalha, Natalie; Rowe, Jason; Jenkins, Jon; Bryson, Steve; Prsa, Andrej; Tenenbaum, Peter; Crepp, Justin; Morton, Tim; Howard, Andrew; Belem, Michele; Kaplan, Zachary; Vannispén, Nick; Sharzer, Charlie; Defouw, Justin; Hajduk, Agnieszka; Neal, Joe P.; Nemec, Adam; Schuepbach, Nadine; Zimmermann, Valerij (MNRAS)

Planet Hunters: Assessing the Kepler Inventory of Short-period Planets -Schwamb, Megan E.; Lintott, Chris J.; Fischer, Debra A.; Giguere, Matthew J.; Lynn, Stuart; Smith, Arfon M.; Brewer, John M.; Parrish, Michael; Schawinski, Kevin; Simpson, Robert J. (ApJ)

Planet Hunters: New Kepler planet candidates from analysis of quarter 2 -Lintott, Chris J.; Schwamb, Megan E.; Barclay, Thomas; Sharzer, Charlie; Fischer, Debra A.; Brewer, John; Giguere, Matthew; Lynn, Stuart; Parrish, Michael; Batalha, Natalie; Bryson, Steve; Jenkins, Jon; Ragozzine, Darin; Rowe, Jason F.; Schawinski, Kevin; Gagliano, Robert; Gilardi, Joe; Jek, Kian J.; Pkknen, Jari-Pekka; Smits, Tjapko (AJ)

Planet Hunters: A Transiting Circumbinary Planet in a Quadruple Star System -Schwamb, Megan E.; Orosz, Jerome A.; Carter, Joshua A.; Welsh, William F.; Fischer, Debra A.; Torres, Guillermo; Howard, Andrew W.; Crepp, Justin R.; Keel, William C.; Lintott, Chris J.; Kaib, Nathan A.; Terrell, Dirk; Gagliano, Robert; Jek, Kian J.; Parrish, Michael; Smith, Arfon M.; Lynn, Stuart; Simpson, Robert J.; Giguere, Matthew J.; Schawinski, Kevin (ApJ)

Galaxy Zoo: Multi-Mergers and the Millennium Simulation -Darg, D. W; Kaviraj, S. ; Lintott, C. J.; Schawinski, K.; Silk, J.; Lynn, S.; Bamford, S.; Nichol, R. C.

Galaxy Zoo Supernovae -A. M. Smith, S. Lynn, M. Sullivan, C. J. Lintott, P. E. Nugent, J. Botyanszki, M. Kasliwal, R. Quimby, S. P. Bamford, L. F. Fortson, K. Schawinski, I. Hook, S. Blake, P. Podsiadlowski, J. Joensson, A. Gal-Yam, I. Arcavi, D. A. Howell, J. S. Bloom, J. Jacobsen, S. R. Kulkarni, N. M. Law, E. O. Ofek, R. Walters (MNRAS 412 1390-1319)

REFERENCES

Dr. Chris Lintott: Oxford University
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Dr Lintott is the head of the Zooniverse project and a professor at Oxford University.
I have worked with Dr Lintott for over 5 years.

Dr. Arfon Smith: GitHub

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Dr Smith works for GitHub promoting and advocating excellence in scientific software. Before this role he was the Director of Citizen Science at the Adler planetarium and the Zooniverse Technical Lead. I worked for Arfon for 5 years as a developer and research.

Dr. Carsten Østerlund: Syracuse University

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Dr. Østerlund is an associate professor at the School of Information Studies, Syracuse University. We collaborate closely as Co-PIs on an NSF Social Computing Grant.