

Jared Parnell

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Education

Durham University

Dept. of Physics – Ph.D Vision Science

2011-Present

- Investigation into the evolution and benefits of different shaped pupils in animal eyes
- Experimental testing of solutions to discomfort associated with 3D technology
- Simulating visual function in humans to understand how the eyes focus
- Junior Fellow of the Biological Sciences Institute
 - Additional Activities: Durham Triathlon Club, Rifle Club, Archery Club

Glasgow Caledonian University

School of Computing - M.Phil Physiotherapy Technology for Falls Prevention

2010-2011

- Assessing usability and developing technology for the delivery of a falls prevention programme
- 6 Hours of teaching per week (tutorials and labs)
 - Volunteer assistant at the Global Game Jam (at Glasgow Caledonian)
 - Additional Activities: Photo Editor for Glasgow Caledonian Student Magazine (The Issue), and voluntary photography work conducted for the University

University of Stirling

BSc Philosophy, Computing, and Psychology (1st)

2005-2009

- Final Year Project: Sound Localisation for robotics and hearing aids
- Employment as Assistive Technologies Trainer
 - Additional Activities: President of the Juggling Club, Member of the Snowsports Club

Falkirk College

HNC Computing (Grade: AA)

2002-2003

- Completed modules in networking, programming, systems development

Publications

Banks, M.S., Sprague, W.W., Schmoll, J., Parnell, J.A.Q., & Love, G.D. (2015) Why do animal eyes have pupils of different shapes? *Science Advances*, 1(7), DOI: 10.1126/sciadv.1500391

Conferences

- Scottish Vision Group Annual Conference (2015 – presenting “Spherical Aberration as a cue to the sign of accommodation”)
- Maynooth Optoinformatics Workshop (2012 – poster “Optical Quality of Evolutionary Diverse Visual Systems”)
- Games for Health (2011 – delegate)

Outreach

- STEM Ambassador (2015)
- 3-Minute Thesis Competition (Finalist - 22 April 2015)

Skills

- Programming (Python, C, Matlab, Java)
- Human-computer interaction
- Experimental design (psycho-/bio-physics)
- Experience with computer vision (openCV) and imaging
- Knowledge of Falls prevention exercises

Other interests

- Swimming, Cycling, Running (Glasgow 10k 2014, Cronkley Fell Race 2012)
- Hillwalking, Rock Climbing, and Snowboarding
- Photography ([flickr.com/lathrisk](https://www.flickr.com/photos/lathrisk/)) and Videography
 - Including photography for Glasgow Caledonian University (marketing and publicity)

References

Prof. Gordon Love

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