

Dr. Jared Parnell

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Employment

British Broadcasting Corporation (BBC Scotland - Connected Studios)

Software Engineer

2015-Present

- Developing and deploying pilots on BBC Taster
- Website development, operations, and analytics

Bottoms Up Wine Shop

Assistant Manager

2004-2006

- Customer service, staff management, SVQ Management, Stock control

Education

Durham University

PhD Vision Science (Dept. of Physics)

2011-2015

- 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 focuses
- Junior Fellow of the Biological Sciences Institute
- Durham Triathlon Club, Rifle Club, Archery Club

Glasgow Caledonian University

MPhil Technology for Falls Prevention (School of Computing)

2010-2011

- Assessing usability and suitability of technologies 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) 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 Class Honours)

2005-2009

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

Publications

- Johnson, P., Parnell, J.A.Q., Kim, J., Saunter, C.D., Love, G.D., & Banks, M.S (2016) Dynamic lens and monovision 3D displays to improve viewer comfort. *Optics Express*, (publication pending).
- 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, Carnoustie, Scotland (2015 – presenting “Spherical Aberration as a cue to the sign of accommodation”)
- Maynooth Optoinformatics Workshop, Maynooth, Ireland (2012 – poster)
- Games for Health, Boston, MA, U.S.A (2010 - Delegate)

Skills

- Experimental design and methods
- Programming (Python, Ruby, HTML/CSS, Javascript/JQuery/NodeJS)
- Experience with psychological and statistical packages (PsychoPy, PANDAS)
- Human-computer interaction and User Experience (UX)

Outreach

- STEM Ambassador (2014 - Present)
- 3-Minute Thesis Competition (Durham University Finalist - 22 April 2015)
- Developing collaborations between the BBC and local universities

Other interests

- Swimming, Cycling, Running (Glasgow 10k 2014, Cronkley Fell Race 2012)
- Hillwalking, Rock Climbing, Juggling, and Snowboarding
- Photography and Videography including photography for Glasgow Caledonian University (marketing and publicity)

References

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