

Rhian Davies

Education	<p>University of Lancaster PhD Statistics and Operational Research. 2012 – Present Probabilistic Methods for Image and Video Analysis.</p> <p>University of Lancaster MRes Statistics and Operational Research. 2011 – 2012</p> <p>University of Lancaster BSc Mathematics and Statistics, First Class. 2008 – 2011</p> <p>Yale 6th Form College A Levels: Pure Mathematics (A), Further Mathematics (A), Physics (C). 2006 – 2008 AS Levels: Computing (A).</p>
Experience	<p>Data Scientist Intern, Unilever Port Sunlight Summer 2011</p> <ul style="list-style-type: none">• Statistical analysis of time series sensor data.• Tuning existing methods, and data collection. <p>Research Intern, Lancaster University Statistics Department Summer 2010</p> <ul style="list-style-type: none">• Individual research in Approximate Bayesian Computing methods.• Application to tuberculosis data. <p>Presenter, Techniquet Glyndŵr 2007 – 2009</p> <ul style="list-style-type: none">• Developed and presented science shows to public and school audiences.• Engaged with visitors and explained complex scientific principles.
Awards	<p>Best Paper Award at Sensor Data Fusion Workshop (2013).</p>
Publications	<p>Davies, R., Mihaylova, L., Pavlidis, N., Eckley, I. (2013). “The Effect of Recovery Algorithms on Compressive Sensing Background Subtraction”. <i>Proceedings of the 2013 Workshop on Sensor Data Fusion, Bonn, Germany, October, 2013</i>.</p>
Skills	<p>Communication</p> <ul style="list-style-type: none">• Numerous presentations at conferences, internally and for the public.• Active STEM engager, speaker for Royal Institute Mathematics Masterclasses. <p>Organisation</p> <ul style="list-style-type: none">• Organised a conference on Understanding Complex Large Industrial Data (UCLID).• Co-founder and trustee of the UniBrass Foundation (Registered Charity). <p>Teamwork</p> <ul style="list-style-type: none">• Provided solutions through group-work at Industrial Problem Solving Days.• Peer-2-Peer scheme, learning coaching skills through group supervision. <p>Computing</p> <ul style="list-style-type: none">• Microsoft Office, R., Matlab and L^AT_EX.
Personal Interests	<p>I play percussion in a number of ensembles across the North West. I’m a keen cyclist, enjoy knitting, sewing, and participating in pub quizzes.</p>
References	<p>Available on request.</p>