

Rhian Davies

Contact Information

Phone:
Email:

Education

Lancaster University

September 2011 to September 2015

MRes & PhD [Conditional]: Statistics & Operational Research (STOR-i)

Lancaster University

September 2008 to June 2011

BSc(Hons) 1st(predicted): Mathematics with Statistics.

Yale 6th form college

September 2006 to June 2008

3 GCE A Levels: Pure Mathematics[A], Further Mathematics[A], Physics[C]

1 GCE AS Level: Computing [A]

Rhosnesni High School

September 2001 to June 2006

13 GCSEs: 5A*'s, 7A's and 2B's.

Experience

STOR-i Internship

July 2010 to September 2010

An 8 week internship with the Statistics Department, Lancaster University.

- Applied mathematical and computational skills to a real life practical problem using Tuberculosis data.
- Conducted individual research involving Approximate Bayesian Computing and its applications.
- Created an academic poster, and presented my work to other interns, PhD students and lecturers.

Lancaster Night Line (LNL)

February 2010 to Present

Call taker for Lancaster Anonymous Student Listening and Information Service

- Listening to students discuss any problems and providing relevant information when required.
- Remaining non judgmental and non directive whatever the call.
- Received training in empathetic communication skills.

Techniquest Glyndwr(TQG)

October 2007 to September 2009

A weekend and vacation job presenting science to members of the public.

- Presented science shows in a theatre to large public and school audiences.
- Engaged with visitors and explained complex scientific principles in a stimulating way they could relate to.
- Wrote, developed and evaluated new science shows.
- Was chosen by my peers to present at the BIG Event at the Royal Institution, London.
- Presented an experiment on the BBC Radio Wales Science Cafe show.

Self Employed

September 2005 to Present

Piano Teacher and Function Musician

- Planning lessons, recording progress and motivating pupils.
- Organising gigs, planning rehearsals, finding relevant music.

Skills

PROBLEM SOLVING

- Working around obstacles relating to mathematical or programming problems.
- Liaising between orchestral conductor and percussion section to resolve issues regarding communication, orchestration and re-delegation.
- Dealing with complaints at TQG.
- Problem solving day with STOR-i encouraged a new perspective on interpreting a business problem into a mathematical one, and returning a business solution.

COMMUNICATION

- Explaining difficult principles in layman's terms at TQG.
- Telephone and listening skills with LNL.
- Engaging and networking with a diverse range of people in the science communication field, and the public.
- Building rapport with my supervisor during the STOR-i internship.

PLANNING AND ORGANISATION

- Role as President of ULMS (University of Lancaster Music Society).
- Co-founder and Chairperson for nonprofit organisation UniBrass. (New University brass band contest.)
- Managing my time efficiently when working independently during the STOR-i internship.

TEAMWORK

- Publicity Officer position on the ULMS & Wrexham Symphony Orchestra (WSO) committees.
- Working regularly as a member of an unsupervised team to co-ordinate day-to-day running of TQG.
- Ability to build relationships quickly with other percussionists to efficiently organise the roles needed for complex compositions involving many instruments and fast changes.

CREATIVITY

- Inventing new ways to reinforce learning in TQG and piano teaching.
- Thinking innovatively to solve mathematical problems.
- Creating new experiments for the science shows at TQG.

THOROUGHNESS AND INDEPENDENCE

- Desire for more challenging degree syllabus lead to in-depth research into changing university. (Transferred from Chester University to Lancaster for my second year).
- Taught myself GCSE Music.

COMPUTER SKILLS I have working knowledge of Microsoft Windows, Microsoft Office, R. and L^AT_EX.

Interests

I play saxophone and percussion in many ensembles, including Wrexham Symphony Orchestra, Wrexham Brass Band and the North Wales Youth Orchestra. At university I am an active member of the Music society and play in 6 ensembles. Outside music, I enjoy swimming, walking, reading and participating in pub quizzes.

Additional Information

Full clean driving license.

References

Available upon request.