

JONATHAN MASON

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QUALIFICATIONS

PhD, Doctor of Philosophy in mathematics, School of Mathematical Sciences, University of Nottingham, 2007 - March 2012, submitted September 2011

Thesis title: Uniform Algebras Over Complete Valued Fields.

MMath (Hons), Master in mathematics with honors in mathematics, School of Mathematical Sciences, University of Nottingham, 2003 - 2007

Classification: First Class.

Module choice bias: Analysis pathway/Algebra.

PROFESSIONAL EXPERIENCE

Mathematical Institute, University of Oxford, UK, September 2014 -

Position: InFoMM CDT Industry Facilitator.

Sector: Mathematical doctoral training, (<https://www.maths.ox.ac.uk/infomm/>).

Applied Probability Trust, School of Mathematics and Statistics, University of Sheffield, UK, October 2013 - July 2014

Position: Production Editor.

Sector: Mathematics research publishing, (<http://www.appliedprobability.org/>).

Knowledge Transmission Ltd, UK, March 2013 - July 2013

Position: Software Developer.

Sector: EdTech software development, (<http://www.knowledgetransmission.com/>).

JDS Uniphase Corporation, UK, 1997 - 2001

Position: Assembly equipment developer and fabricator.

Sector: Advanced fibre optic products, (<http://www.jdsu.com/>).

Exitech Ltd (now Oerlikon Optics UK Ltd), 1991 - 1996

Position: Laboratory technician and machine fabricator.

Sector: Optical micro-machining and advanced laser research, (<http://exitech.org/>).

KEY SKILLS AND EXPERIENCE

Communication Skills

- Excellent team building and interpersonal skills developed whilst coordinating the equipment fabrication team at JDS Uniphase Corporation, UK.
- Substantial participation at committee level whilst at JDS Uniphase Corporation and whilst sitting on the School of Mathematical Sciences research committee at the University of Nottingham UK.
- Experienced at presenting to large professional audiences. Experience gained through talking at international conferences in the UK and USA.
- Excellent at preparing research reports and articles with experience of being published in world class research journals, see http://arxiv.org/a/mason_j_1 .
- Experience of public engagement gained whilst representing the School of Mathematical Sciences at several university open days and whilst communicating mathematics to the public at the University of Nottingham's, Day of Exploration 2009.

Technical Skills and Experience

- Fully qualified professional mathematician.
- First-class research and analytical skills, capable of interacting at all levels to devise innovative solutions in a research/technology environment.
- XSLT programming skill and experience gained whilst writing XSLT scripts for the conversion of XML markup at Knowledge Transmission Ltd.
- Experienced in the use of OS X, Windows, Eclipse IDE, Git distributed version control system, Gimp, Safari CSS tools and XML mark up.
- Java programming skill and experience gained whilst using Java as a research tool following a postgraduate introduction to Java course at the University of Nottingham, UK.
- Experienced user of Maple and other mathematical computation engines.
- Proficient at copy editing science journal articles for publication. Experience gained while employed at the APT, School of Mathematics and Statistics, University of Sheffield, UK.
- Highly proficient at web publishing, see www.jwmason.net .
- Excellent proficiency with $\text{\LaTeX}$ publishing.
- Extensive CAD and precision machining experience in the high technology sector. Worked on the fabrication of solar shields for the Hubble Space Telescope whilst at Exitech Ltd.
- Trained in the use of FMEA whilst at JDS Uniphase Corporation, UK.
- Full clean drivers license.

PROFESSIONAL DEVELOPMENT AND MEMBERSHIPS

Professional development

- Communication and presentation skills postgraduate course at the University of Nottingham, UK.
- Training for postgraduate student teachers with 1.5 years of experience teaching mathematics undergraduates in problem classes and marking their scripts at the University of Nottingham, UK.

Professional memberships

- **AMLMS**, Associate member of The London Mathematical Society.
- **AMIMA**, Associate member of The Institute of Mathematics and its Applications.

REFERENCES

References available on request.