AlexanderPapiez

## Contact

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## Key Skills

* 7 Years laboratory experience
* Tutoring experience
* Competent user of LaTeX typesetting software
* Knowledge of the Python programming language
* Experienced user of Microsoft Office packages
* Able to work well independently and in a group
* Excellent spelling and grammar
* Ability to work to a deadline/

under pressure

* Full U.K. Driving Licence and own a car

# Profile

My attention and eye for detail have allowed me to be successful in my research career. As a self sufficient individual I have shown initiative in promptly solving problems which have arisen. In early 2016 I was invited to the International Congress on Marine Corrosion and Fouling in Toulon, France; where I presented aspects of my work to attendees. During the course of my studies I have consistently developed my ability to communicate ideas in a clear and concise manner while maintaining an engaging connection with the audience. I believe this is key to building rapports and successful working relationships.

# Employment

09/2013-05/2016 **Lab Demonstrator** Northumbria University *Worked to support the safe operation of lab-practical classes for under- graduate students. My knowledge in the field and previous experience with the course content meant I was able to act as an effective mentor and role model to students, helping to support the learning experience provided by the lecturer.*

02/2015 - 05/2015 **GCE A-Level Tutor (Chemistry)** Newcastle Upon Tyne *I provided one-to-one tutoring support to a student preparing to sit their chemistry A-Level exams. I developed a lesson plan for each session cov- ering a specific topic to ensure that student was given the best opportunity to understand the content and succeed in the exams.*

06/2013 - 09/2013 **Production operative / Packer** Quorn Foods, Stokesley *During the summer I worked as part of a team on the Quorn production line. Duties included packing and palletizing the product, quality control, cleaning and some work in clean production areas.*

# Education

09/2013-Present **PhD in Physical Polymer Chemistry** Northumbria University

*Supervisors:* Dr. Justin Perry and Dr. Leslie Dix

*Funded by:* AkzoNobel/International Paint

*Thesis title:* Investigating the Rate of Release of Ions Across Polymer

Phases

*Summary:* In order to develop competitive products in a sustainable

manner, anti-fouling paint manufacturers must consider the kinetics of biocide release. By studying the diffusion rate of biocides in relation to material properties, insights useful for the rational design of anti-fouling technologies may be found.

*Publications:* **Papiez**, A.P. Perry, J.J.B Ferguson, J. Wright, A.C.

*Diffusion of Biocides in Polymeric Matrices: A Tool for Rational Coating Design*, Poster presented at the International Congress on Marine Corrosion and Fouling, Toulon France, 2016

**Papiez**, A.P. Perry, J.J.B. \* wns, R.A.*Design and Implementation*

Do

*of a 3D Printed Microwave Flow Cell*, Poster presented at the R.S.C. Organic division meeting, Bradford, U.K. 2015

09/2009 - 06/2013 **MChem Applied Chemistry** Northumbria University

*Classification:* 1st with honours

*Awards:* Best Post-graduate final-year project, 2013

*4th Year* Synthesis and Characterization of Amino Functionalized

*Project:* Methacrylate Polymers

*3rd Year* Predicting Mass Spectra Using Density

*Project:* Functional Theory Calculations

09/2007-07/2009 **GCE A-Levels** Stokesley Sixth Form College

*A2:* Physics, Chemistry, Mathematics

*AS:* Physics, Chemistry, Mathematics, French

09/2002-07/2007 **GCSEs** Stokesley Comprehensive School

10 at grade A\*-C including Maths, English and Science

# Interests

I am a capable programmer and enjoy the creative thinking involved in solving technical problems; in conjunction with amateur DIY, I enjoy producing software and hardware to tackle real world problems.

I am an avid reader - my favourite genre is historical non-fiction as I enjoy learning about the past and the lessons it holds for today’s world. This spurs my interest in politics and current affairs, which I enjoy debating in great detail.

I love the operas of Gilbert and Sullivan, my favourites being The Mikado and Iolanthe. I am fascinated by the intricate combination of language and musical theatre which they employ to make clever satirical comments.

# References

*Dr.Justin Perry*, **Enterprise Fellow** Health and Life Sciences Northumbria University, Ellison Building,

Ellison Place, Newcastle Upon Tyne, NE1 8ST,

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*Dr. Leslie Dix*,

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