



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Officer, Faculty of Engineering & Physical Sciences



**Salary: £18.03 per hour**

**Reference: EPSCP1022**

**Closing date: 07 August 2020**

**Part time. casual post**

## Research Officer School of Computing

**Are you in the final year of your PhD at the University of Leeds and do you have an interest in commercially focused research? Can you undertake collaborative simulation projects with external organisations?**

You will undertake applied research work on behalf of [Procter and Gamble](#) (P&G). This will involve undertaking project work on the optimization of genetic algorithms used in combination with some machine learning models in a Python environment.

This will be an hourly paid role (up to 20 hours per week) that would be ideal for a student in the writing up year of their PhD studies. It will provide excellent employment experience, working closely with a commercial customer, and building upon the research skills that will have been developed throughout the prior period of research study. We ask applicants to be able to commit for a minimum of six months to working in this role.

### What does the role entail?

As a Research Officer your main duties will include:

- Maintaining a professional working relationship with the sponsor, Procter and Gamble, to assist their research and development through the application Machine Learning & Optimization techniques. You will work closely with P&G employees, the Simulation Centre Manager and the project investigators. The initial focus of your project will be dealing with the optimization of genetic algorithms used in combination with some machine learning models in a Python environment;
- Engaging with P&G staff to fully understand the problem, contributing the specification of the simulation project to be undertaken to address this problem, undertaking the necessary simulations and modelling, reporting regularly on progress (both internally and to the P&G problem owner), providing results in a clear and accessible form (both written and verbally);
- There may be the need to visit P&G site;
- Participating in the research group and presenting research output where appropriate;



- Contributing to the research culture of the School, where appropriate;
- Continually updating your knowledge, understanding and skills in the research field.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

## What will you bring to the role?

As a Research Officer you will have:

- Experience working on data analytics, machine learning and numerical analysis applied to business;
- Experience coding in Python;
- Self-motivated, good at time management and planning, with the ability to meet tight deadlines;
- Evidence of the ability to write high quality reports presenting results, findings and conclusions;
- Excellent communication and presentation skills, including the ability to work with both internal and external stakeholders to specify actions to meet a broader research goal;
- A proven ability to work well both individually and in a team.

You may also have:

- Some knowledge of using SQL databases.

## How to apply

You can apply for this role by sending a completed application form and your C.V. by email to [Mr Peter Bollada](mailto:p.c.bollada@leeds.ac.uk), Simulation Centre Manager, [p.c.bollada@leeds.ac.uk](mailto:p.c.bollada@leeds.ac.uk). There is no need for you to replicate the information provided on your CV on the application form (e.g. qualifications and work history).

Applications should be submitted by 23.59 (UK time) on the 07 August 2020



## Contact information

To explore the post further or for any queries you may have, please contact:

**[Mr Peter Bollada, Simulation Centre Manager](#)**

Tel: 0113 343 4699

Email: [p.c.bollada@leeds.ac.uk](mailto:p.c.bollada@leeds.ac.uk)

## Additional information

### Faculty and School Information

Further information is available on the research and teaching activities of the [School of Computing](#).

### A diverse workforce

The Schools in the Faculty of Engineering & Physical Sciences are proud to have been awarded the Athena SWAN [Bronze](#) or [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

### Working at Leeds

Find out more about the benefits of working at the University and what it's like to live and work in the Leeds area on our [Working at Leeds](#) information page.

### Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk](mailto:disclosure@leeds.ac.uk).

## Criminal record information

### Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.



Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

