

Job Description: Professional Service Positions

Faculty/Directorate/Service Area:	Swansea University Medical School
Job Title:	Neuroimaging Data Scientist
Department/Subject:	FHMLS
Salary:	Grade 07 £32,982 to £37,099 per annum together with USS pension benefits
Hours of work:	Full time – 35 hours per week
Number of positions:	1
Contract:	This is a fixed term position until 31 st December 2025
Location:	This position will be based at the Singleton campus

Main Purpose of Post	<ol style="list-style-type: none"> 1. Contribute to research projects within the DPUK data portal team, including: <ul style="list-style-type: none"> • Contributing to team planning and management • Research design • Data preparation • Statistical analysis • Writing results for publication 2. Contribute to the development of DPUKs neuroimaging infrastructure and processes. This includes: <ul style="list-style-type: none"> • Anonymisation of brain imaging scans • Standardisation of brain imaging scans • Pre-processing neuroimaging data to generate Imaging Derived Phenotypes • Supporting data provisioning • Developing and improving our neuroimaging provisioning tools 3. Contributing to DPUK operations such as responding to users queries, reviewing projects, creating metadata, and reviewing project outputs. 4. Pro-actively contribute to and conduct research, including gather, prepare and analyse data, generate original ideas and present results. 5. Prepare reports, draft patents and papers describing the results of the research, both confidential and for publication. 6. Be self-motivated, apply and use their initiative, aiming to determine suitable ways to tackle challenges and seeking guidance when needed 7. Interact positively and professionally with other collaborators and partners within the College and elsewhere in the University and beyond as appropriate such as in industry/commerce, public organisations, hospitals and academia. 8. Contribute to College organisational matters in order to help it run smoothly and to help raise its external research profile. 9. Keep informed of developments in the field in technical, specific and general terms and their wider implication for the discipline area, commercial applications and the knowledge economy. 10. When requested act as a representative or member of committees, using the opportunity to extend their own professional experience. 11. Demonstrate and evidence own professional development, identifying development needs with reference to the Vitae Researcher Development Framework, particularly with regard to probation, PDR and participation in training events.
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	<p>12. Maintain and enhance links with the professional institutions and other related bodies.</p> <p>13. Observe best-practice protocols in maintenance and retention of research records as indicated by HEI and Research Councils records management guidance. This includes ensuring project log-book records are deposited with the University/Principal Investigator on completion of the work.</p>
<p>General Duties</p>	<ol style="list-style-type: none"> 1. To fully engage with the University's Performance Enabling and Welsh language policies 2. To promote equality and diversity in working practices and to maintain positive working relationships. 3. To lead on the continual improvement of health and safety performance through a good understanding of the risk profile and the development of a positive health and safety culture. 4. Any other duties as agreed by the Faculty / Directorate / Service Area. 5. To ensure that risk management is an integral part of any decision making process, by ensuring compliance with the University's Risk Management Policy.
<p>Professional Services Values</p>	<p>All Professional Services areas at Swansea University operate to a defined set of Core Values - Professional Services Values and it is an expectation that everyone is able to demonstrate a commitment to these values from the point of application through to the day to day delivery of their roles. Commitment to our values at Swansea University supports us in promoting equality and valuing diversity to utilise all the talent that we have.</p> <p>We are Professional We take pride in applying our knowledge, skills, creativity, integrity and judgement to deliver innovative, effective, efficient services and solutions of excellent quality.</p> <p>We Work Together We take pride in working in a proactive, collaborative environment of equality, trust, respect, co-operation and challenge to deliver services that strive to exceed the needs and expectations of customers.</p> <p>We Care We take responsibility for listening, understanding and responding flexibly to our students, colleagues, external partners and the public so that every contact they have with us is a personalised and positive experience. Commitment to our values at Swansea University supports us in promoting equality and valuing diversity to utilise all the talent that we have.</p>
<p>Person Specification</p>	<p><u>Essential Criteria:</u></p> <p>Values:</p> <ul style="list-style-type: none"> • Demonstrable evidence of taking pride in delivering professional services and solutions • Ability to work together in an environment of equality, trust and respect to deliver services that strive to exceed the needs and expectations of customers. • Demonstrable evidence of providing a caring approach to all of your customers ensuring a personalised and positive experience <p>Qualification:</p> <ul style="list-style-type: none"> • A degree or equivalent experience in a relevant field. <p>Experience:</p> <ol style="list-style-type: none"> 1. Experience of writing code or contributing to the development of software in a high-level programming language.

	<ol style="list-style-type: none"> 2. Experience of working with large datasets. 3. Experience in medical imaging data types such as MRI and CT scans. <p>Knowledge and Skills:</p> <ol style="list-style-type: none"> 1. Interest in engaging in and contributing to writing and publishing research papers, particularly for refereed journals. 2. A demonstrable ability to conduct research in line with the objectives of the project 3. Evidence of planning skills to contribute to the research project 4. A commitment to continuous professional development <p>Desirable Criteria:</p> <ol style="list-style-type: none"> 1. Experience with working according to software development methodologies, particularly agile methodologies. 2. Some familiarity with artificial intelligence research and neuroimaging analysis. 3. Experience programming in Python. 4. Knowledge on how to use git. 5. Experience with neuroimaging tools such as FSL or FreeSurfer.
<p>Welsh Language Level</p>	<p>Level 1 – ‘a little’ - pronounce Welsh words. Able to answer the phone in Welsh (good morning / afternoon). Able to use very basic every-day words and phrases (thank you, please etc.). Level 1 can be reached by completing a one-hour training course.</p> <p>For more information about the Welsh Language Levels please refer to the Welsh Language Skills Assessment web page, which is available here.</p>
<p>Additional Information</p>	<p>Informal enquiries: Informal enquires are welcomed and should be directed to Lewis Hotchkiss - email: lewis.hotchkiss@chi.swan.ac.uk or Emma Squires - email: emma@chi.swan.ac.uk</p> <p>Shortlisting Date: 11th November 2024 Interview Date: 25th November 2024</p>

