# N8 CIR 2025 RSE undergraduate internship programme – internship application

#  Research IT, University of Liverpool, 2025-04-11. <https://www.liverpool.ac.uk/research-it/n8-internship>

The N8 CIR 2025 internship programme focusses on exposing undergraduates to future career paths in research software engineering (RSE) - the professional development of research software. The programme offers up to three internship places at Liverpool, and at each of the eight computationally intensive research N8 universities.

The scheme is a unique opportunity for undergraduates in their penultimate or final year to work in **machine learning**, **digital health**, or **digital humanities**, while developing cutting-edge computational skills in a research environment. This year’s scheme specifically targets undergraduates, rather than postgraduates or PhD students. Work will be supervised by a research leader, with an RSE mentor providing comprehensive support. Interns will also gain though engagement and networking with fellow interns across the N8 universities.

Interns will usually work full-time at Liverpool for eight weeks, receiving wages near the national living wage, pro-rata; however, some flexibility exists for shorter, or part-time, positions for excellent candidates, or to accommodate those with time restrictions, e.g. childcare.

Internship applications must be sent to rit-internship@liverpool.ac.uk before May 2nd. Candidates may apply for consideration in multiple research areas. Applications must show how the candidate is best suited to the chosen research area(s). Selection factor weights are provided below.

Interviews will be conducted around May 13th, with offers made within three days. Given a tight schedule, candidates must be available to accept offers within this period. Internship work will then start from June 18th, with final work presented in-person at the N8 CIR RSE project showcase, in York on September 12th. Financial support will be provided for travel and accommodation, as necessary.

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| Student name and title |  |
| Student ID number |  |
| Email address |  |
| Home address |  |
| Phone number |  |
| Department and faculty |  |
| The end date of the degree course and its duration (years, or months) |  |
| Themes in order of preference (Digital Health, Digital Humanities, or Machine Learning) |  |
| If you know of a preferred project, give the project name and PI. |  |
| If a student visa holder, please give your current visa’s expiry date |  |

**Suitability**

If you are an international student holding a student visa, please review the working policies at:

<https://www.liverpool.ac.uk/intranet/hr/visasandimmigration/working/student-visa/>

<https://www.liverpool.ac.uk/studentsupport/visas-and-immigration/student-visa/working-in-the-uk-during-studies/>

**Please confirm that you meet one of the two criteria to proceed with the application:**

I have the right to work in the UK full time (35 hours per week), and will be available for eight internship work weeks from June 18th to late August 2025: YES | NO.

I have the right to work in the UK part-time (20 hours per week), and will be available for the internship from June 18th to early September 2025: YES | NO.

**Also, please complete the below:**

I will work on campus for most of the internship: YES | NO.

I will work remotely for most of the internship: YES | NO.

I’m available to present my results at the project showcase, in York on September 12th: YES | NO.

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| **1. Time management (10% assessment weight)**Please explain how you will dedicate the required time for the internship. Commitments (e.g. employment, or childcare) will not be penalised, but these details will allow projects to be structured accordingly. If the internship coincides with your course, how will you ensure that this not hinder your learning? |
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| **2. Skills and experience (50% assessment weight)**Please advise of any details which may strengthen your application. This might include:* A summary of relevant courses, or projects, you have completed, with results.
* Any prior research or commercial software development work, with roles.
* Details of programming languages in which you are reasonably competent.
* Particular familiarity with technical- or topic-specific libraries, packages, or tools.
* Developmental tool use, e.g. IDEs, debugging, profiling, unit tests, containers, Git.
* Any parallel or high-performance computing experience, e.g. OpenMP, MPI, CUDA.
* Background experience relating to the research theme(s) you are applying for.
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| **3. Overall goals and expectations (20% assessment weight)**Why did you apply for this internship? What do you hope to learn? After the internship (or your course), what do you hope will be your next role? What are your goals and ambitions? |
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| **4. Overview (20% assessment weight)**Please provide any additional information you believe may be relevant and briefly explain why you believe you would be a great candidate for the Internship programme. You may attach a short CV separately, but it is optional. |