



Post Specification

Post Title:	Research Assistant in Full Stack Development
Post Status:	Specific Purpose Contract – Full-time
Research Group / Department / School:	Gillan Lab, Trinity College Institute of Neuroscience and School of Psychology, Trinity College Dublin, the University of Dublin
Location:	Lloyd Institute, Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
Reports to:	Principal Investigator, Dr Claire Gillan
Salary:	Appointment will be made on the Science Foundation Ireland Salary Scales (Oct 2022) at a point in line with Government Pay Policy [€32,482 - €44,921 per annum], appointment will be made no higher than point 4
Hours of Work:	Full Time
Closing Date:	Applications will be accepted on a rolling basis until the position is filled.

Post Summary

Applications are invited for the position of Research Assistant with an entry level background in Full Stack **Development**, with solid demonstrated experience in HTML, CSS, JavaScript, PHP, MySQL, NoSQL, Nodejs and broad experience in system design and architecture. Experience working with Unity and C# is desirable.

This position involves working on the neureka mobile application (<http://www.neureka.ie/>) as part of this Science Foundation Ireland funded research project. Neureka has 19,000 registered users and its goal is to facilitate a connection between scientists and the public, scaling-up research in brain health, developing tools to identify at-risk individuals and educating the public about science. The researcher will join the laboratory of Associate Professor, Dr. Claire Gillan (www.gillanlab.com).

Working with a team of research scientists and another app developer on this project, the core responsibility of the Research Assistant will be to optimize and maintain the app's web servers.

In addition, the researcher will, in time, support the senior developer in the development of new modules within the app, front end game design, app maintenance and the collection of phone sensor data from citizen scientist users.

They will be an integral member of the research team, working directly with research students and postdoctoral scientists to transform experiments into games in the app. The researcher assistant will have the opportunity to contribute to analysis, and data validation and will be listed as a co-author on publications based on their work.

Standard Duties and Responsibilities of the Post

- Maintenance and optimization of existing web servers to safely store data
- Supporting the senior developer with front end app maintenance, change requests, new game design, and resolving issues and bugs
- Integration of phone sensor data in app, including backend infrastructure
- Work collaboratively as part of a diverse team of scientists on primary experimental research

Funding Information

Science Foundation Ireland

Person Specification

Qualifications

Bachelor's Degree in Computer Science, Computer Programming, or a related field

Knowledge & Experience (Essential & Desirable)

- The candidate must have a solid knowledge of SQL and relational databases, MySQL and NoSQL experience is a plus (Essential)
- Nodejs - experience building web servers using Nodejs (Highly Desirable)
- Experience with large datasets, analytics and logistically complex projects (Desirable)
- Experience working with Unity and C# (Desirable)
- The ideal candidate will have an active interest in cognition and brain health (Desirable)
- The ideal candidate will be reliable, highly motivated and productive, and enjoy working collaboratively (Essential)

Skills & Competencies

- The ideal candidate will have an active interest in cognition and brain health (Desirable)
- The ideal candidate will be reliable, highly motivated and productive, and enjoy working collaboratively (Essential)

Application Procedure

Applicants should submit a full Curriculum Vitae to include the names and contact details of 2 referees (including email addresses), via this form: <https://forms.gle/VKPqFKab7xBfERQD9>

Informal inquiries can be addressed to Dr Claire Gillan (gillancl@tcd.ie)

Further Information for Applicants

URL Link to School	www.tcd.ie
URL Link to Research Group	www.gillanlab.com www.neureka.ie
URL Link to Human Resources	www.tcd.ie/hr

For more information on the Trinity College Institute of Neuroscience see: <https://www.tcd.ie/Neuroscience/>

Trinity College Dublin, the University of Dublin

Trinity is Ireland's leading university and is ranked 108th in the world (QS World University Rankings 2020). Founded in 1592, the University is steeped in history with a reputation for excellence in education, research and innovation.

Located on an iconic campus in the heart of Dublin's city centre, Trinity has 18,000 undergraduate and postgraduate students across our three faculties – Arts, Humanities, and Social Sciences; Engineering, Mathematics and Science; and Health Sciences.

Trinity is ranked as the 17th most international university in the world (Times Higher Education Rankings 2020) and has students and staff from over 120 countries.

The pursuit of excellence through research and scholarship is at the heart of a Trinity education, and our researchers have an outstanding publication record and strong record of grant success. Trinity has developed 19 broad-based multidisciplinary research themes that cut across disciplines and facilitate world-leading research and collaboration within the University and with colleagues around the world. Trinity is also home to 5 leading flagship research institutes:

- Trinity Biomedical Sciences Institute (TBSI)
- Trinity College Institute of Neuroscience (TCIN)
- Trinity Translational Medical Institute (TTMI)
- Trinity Long Room Hub Arts and Humanities Research Institute (TLRH)
- Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)

Trinity is the top-ranked European university for producing entrepreneurs for the past five successive years and Europe's only representative in the world's top-50 universities (Pitchbook Universities Report).

Trinity is home to the famous Old Library and to the historic Book of Kells as well as other internationally significant holdings in manuscripts, maps and early printed material. The Trinity Library is a legal deposit library, granting the University the right to claim a copy of

every book published in Ireland and the UK. At present, the Library's holdings span approximately 6.5 million printed items, 400,000 e-books and 150,000 e-journals. With over 120,000 alumni, Trinity's tradition of independent intellectual inquiry has produced some of the world's finest, most original minds including the writers Oscar Wilde and Samuel Beckett (Nobel laureates), the mathematician William Rowan Hamilton and the physicist Ernest Walton (Nobel laureate), the political thinker Edmund Burke, and the former President of Ireland Mary Robinson. This tradition finds expression today in a campus culture of scholarship, innovation, creativity, entrepreneurship and dedication to societal reform.

Rankings

Trinity is the top ranked university in Ireland and ranked 108th in the world (QS World University Rankings 2020). Trinity ranks in the top 50 in the world on 4 subjects and in the top 100 in 18 subjects (QS World University Rankings by Subject 2020). Full details are available at: www.tcd.ie/research/about/rankings.

The Selection Process in Trinity

The Selection Committee (Interview Panel) may include members of the Academic and Administrative community together with External Assessor(s) who are expert in the area. Applications will be acknowledged by email. If you do not receive confirmation of receipt within 1 day of submitting your application online, please contact the named Recruitment Partner on the job specification immediately and prior to the closing date/time.

Given the degree of co-ordination and planning to have a Selection Committee available on the specified date, the University regrets that it may not be in a position to offer alternate selection dates. Where candidates are unavailable, reserves may be drawn from a shortlist. Outcomes of interviews are notified in writing to candidates and are issued no later than 5 working days following the selection day.

In some instances the Selection Committee may avail of telephone or video conferencing. The University's selection methods may consist of any or all of the following: Interviews, Presentations, Psychometric Testing, References and Situational Exercises.

It is the policy of the University to conduct pre-employment medical screening/full pre-employment medicals. Information supplied by candidates in their application (Cover Letter and CV) will be used to shortlist for interview.

Applications from non-EEA citizens are welcomed. However, eligibility is determined by the Department of Business, Enterprise and Innovation and further information on the Highly Skills Eligible Occupations List is set out in Schedule 3 of the Regulations

[https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-](https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Highly-Skilled-Eligible-Occupations-List/)

[Permits/Employment-Permit-Eligibility/Highly-Skilled-Eligible-Occupations-List/](https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Highly-Skilled-Eligible-Occupations-List/) and the

Ineligible Categories of Employment are set out in Schedule 4 of the Regulations

[https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-](https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Ineligible-Categories-of-Employment/)

[Permits/Employment-Permit-Eligibility/Ineligible-Categories-of-Employment/](https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Ineligible-Categories-of-Employment/) . Non-EEA

candidates should note that the onus is on them to secure a visa to travel to Ireland prior to interview. Non-EEA candidates should also be aware that even if successful at interview, an appointment to the post is contingent on the securing of an employment permit.

Equal Opportunities Policy

Trinity is an equal opportunities employer and is committed to employment policies, procedures and practices which do not discriminate on grounds such as gender, civil status, family status, age, disability, race, religious belief, sexual orientation or membership of the travelling community. On that basis we encourage and welcome talented people from all backgrounds to join our staff community. Trinity's Diversity Statement can be viewed in full at <https://www.tcd.ie/diversity-inclusion/diversity-statement>.

Pension Entitlements

This is a pensionable position and the provisions of the Public Service Superannuation (Miscellaneous Provisions) Act 2004 will apply in relation to retirement age for pension purposes. Details of the relevant Pension Scheme will be provided to the successful applicant.

Applicants should note that they will be required to complete a Pre-Employment Declaration to confirm whether or not they have previously availed of an Irish Public Service Scheme of incentivised early retirement or enhanced redundancy payment. Applicants will also be

required to declare any entitlements to a Public Service pension benefit (in payment or preserved) from any other Irish Public Service employment.

Applicants formerly employed by the Irish Public Service that may previously have availed of an Irish Public Service Scheme of Incentivised early retirement or enhanced redundancy payment should ensure that they are not precluded from re-engagement in the Irish Public Service under the terms of such Schemes. Such queries should be directed to an applicant's former Irish Public Service Employer in the first instance.

Application Procedure

Application Procedure

Applicants should submit a full Curriculum Vitae to include the names and contact details of 2 referees (including email addresses via this form <https://forms.gle/VKPqFKab7xBfERQD9>



**UNIVERSITY
VACANCIES IRELAND**
universityvacancies.com



**DIVERSITY
CHAMPIONS**

