## POSITION DESCRIPTION

<table>
<thead>
<tr>
<th>Position Title:</th>
<th>Web Applications Developer (eLIPSE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organisation Unit:</td>
<td>School of Mechanical &amp; Mining Engineering</td>
</tr>
<tr>
<td>Position Number:</td>
<td>3027567</td>
</tr>
<tr>
<td>Type of Employment:</td>
<td>Full-time, fixed term for 1 years.</td>
</tr>
<tr>
<td>Classification:</td>
<td>HEW Level 6</td>
</tr>
</tbody>
</table>

### THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver **knowledge leadership for a better world**.

UQ ranks in the world’s top universities, as measured by several key independent ranking, including the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (52), QS World University Rankings (47), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (65). UQ again topped the nation in the prestigious Nature Index and our Life Sciences subject field ranking in the Academic Ranking of World Universities was the highest in Australia at 20.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience – the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland’s highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia’s Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 50,000-plus strong student community includes more than 13,000 postgraduate scholars and more than 12,000 international students from 144 countries, adding to its proud 240,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.8 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and biomedical sciences, sustainable minerals, bioengineering and nanotechnology, as well as social science research.
UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of $11 billion+ (see http://uniquest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and this will be a strategic focus going forward.

Organisational Environment

Building on a history of cooperation between the Faculty of Engineering, Architecture and Information Technology (EAIT) and the Faculty of Science, academic staff who have an interest in reimagining STEM learning and enabling innovation collaborations have formed the Centre for eLearning Innovations and Partnerships in Science and Engineering (eLIPSE).

The Centre acts as an incubator for innovative new technologies. The eLIPSE online applications development team operates at the cutting edge of eLearning software tools. Agile methodologies and a pragmatic approach are used to rapidly create and foster proof-of-concept like applications. In conjunction with the University’s Information Technology Services (ITS), successful tools are further refined with the aim of delivery and deployment across the University.

The development team is based in the School of Mechanical and Mining Engineering, but works collaboratively with academic project leaders across the Faculty of EAIT and the Faculty of Science.

Information about eLIPSE may be accessed on the Centre’s web site at http://www.elipse.uq.edu.au/.

Information for Prospective Staff

Information about life at UQ including staff benefits, relocation and UQ campuses is available at - http://www.uq.edu.au/current-staff/working-at-uq

DUTY STATEMENT

Primary Purpose of Position

The primary function of the position is to develop, in an agile environment, online learning applications that enhance the student learning experience. The position is expected to take responsibility for projects, guiding the design, development, integration, and evaluation through to successful completion.

Duties

Duties and responsibilities include, but are not limited to:

Technical

- Develop online learning applications.
- Lead and coordinate small project teams, using eLIPSE’s agile methodologies, during the development life cycle.
- Work with the larger eLIPSE group during the requirements gathering, design, and analysis phases of projects.
• Deploy DevOps in the creation, maintenance and support of deployed applications.
• Create and maintain project documentation.
• Communicate with project stakeholders throughout the development process, including providing progress reports, sprint planning input, and responding to stakeholder enquiries.
• Advise on eLIPSE’s procedures and processes.

Other
Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:

• the University’s Code of Conduct
• requirements of the Queensland occupational health and safety (OH&S) legislation and related OH&S responsibilities and procedures developed by the University or Institute/School
• the adoption of sustainable practices in all work activities and compliance with associated legislation and related University sustainability responsibilities and procedures
• requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related responsibilities and procedures developed by the University

Organisational Relationships
The position reports to the eLIPSE Software Development Manager.
The Web Applications Developer works within the eLIPSE Development Team and collaborates closely with various stakeholders in the University.

SELECTION CRITERIA

• A bachelors degree with significant computing component (or equivalent) with subsequent software development experience; OR an equivalent combination of experience, education and training.
• Experience working with small agile teams to develop innovative new solutions.
• Experience developing complete non-trivial web-based applications using a range of current technologies such as: TypeScript, Node.js, AWS.
• High level communication skills and experience dealing and communicating with diverse range of people.
• Excellent organisational skills and time management, with the ability to prioritise tasks.
• A continuous learning and self-improvement approach, evidenced by current technical skills that are up-to-date with industry trends.

The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the
University’s Diversity and Inclusion webpage (http://www.uq.edu.au/equity) for further information and points of contact if you require additional support.

This role is a full-time position; however flexible working arrangements may be negotiated.

Accessibility requirements and/or adjustments can be directed to (HR@EAIT.uq.edu.au).