

# CNGL Undergraduate Students as Researchers Programme PROJECT DESCRIPTION

<b>Institution/Track:</b>	Alchemy	
<b>Project Title:</b>	Machine Translation Markup and Scoring.	
<b>Suitable for students who are studying in the following areas:</b>	Computational Linguistics and MT.	
<b>Skills needed:</b>	Strong Programming skills in C++ and some C# skills.	
<b>Project Description:</b>	Alchemy CATALYST and PUBLISHER are market leaders in their respective categories. Both technologies support MT services (provided by Google, Systrans and ProMT) for the past 12-18 months and it is planned to extend this capability by developing connectors to other MT providers (such as Microsoft and closed-Systrans). In addition to this, both products need to be extended to display Machine Translation suggestions along with a relevance and quality score with the additional of intelligent and meaningful markup. This will help translators improve their current productivity levels when working with MT output.	
<b>The Role of the student &amp; benefits gained from participation in this project:<sup>[1]</sup></b>	Student will work in one of the industry leading development teams on a market leading product. Will learn about our Agile Development process and how to work in a highly interactive and challenging environment.	
<b>Who will be working with you?</b>	The student will work directly with Enda McDonnell (Director of Development) and will be supported by Tony O'Dowd (President).	
<b>Short description of the group:</b>	We current have 6 developers, 2 QA Specialists, 1 Professional Service Engineer and two support engineers working on this code base right now.	
<b>Recommended Reading Material:</b>	<p>What is Alchemy CATALYST?  <a href="http://www.alchemysoftware.com/products/alchemy_catalyst.html">http://www.alchemysoftware.com/products/alchemy_catalyst.html</a></p> <p>What is Alchemy PUBLISHER ?  <a href="http://www.alchemysoftware.com/products/alchemy_publisher.html">http://www.alchemysoftware.com/products/alchemy_publisher.html</a></p> <p>Videos on Alchemy CATALYST  <a href="http://www.alchemysoftware.com/resources/tutorials/catoverview.html">http://www.alchemysoftware.com/resources/tutorials/catoverview.html</a></p> <p>Videos on Alchemy PUBLISHER  <a href="http://www.alchemysoftware.com/resources/tutorials/videomain.html">http://www.alchemysoftware.com/resources/tutorials/videomain.html</a></p>	
<b>Other information:</b>	Our main Web site is <a href="http://www.alchemysoftware.com">www.alchemysoftware.com</a>	
<b>For further details on this project please contact:</b>	<b>Name:</b> <b>Phone:</b> <b>E-Mail:</b> <b>Website:</b>	<b>Tony O'Dowd</b> <b>708 2803</b> <a href="mailto:Tonyod@AlchemySoftware.ie">Tonyod@AlchemySoftware.ie</a> <a href="http://www.alchemysoftware.com">www.alchemysoftware.com</a>

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<sup>[1]</sup> *This is an initial description of the role of the student and it is liable to change following discussions between the investigators and the student.*