

CNGL Undergraduate Students as Researchers Programme 2011 PROJECT DESCRIPTION

Institution/Track:	Symantec Ltd.								
Project Title:	Development of NLP evaluation environment								
Suitable for students who are studying in the following areas:	Computing and development								
Skills needed:	Strong analytical skills and competence in scripting and Web languages are a must for this role. An interest in linguistics would also be extremely advantageous.								
Project Description:	<p>The Symantec SES Research team are involved in the evaluation of various language technologies (including Machine Translation systems and Natural Language Processing tools). Differences between various solutions must be measured, recorded and displayed to decision-makers.</p> <p>The aim of this project is to refine existing testing and analysis tools, perform measurements using these tools and build a Web interface to display results.</p>								
The Role of the student & benefits gained from participation in this project:¹	<p>This is an exciting role for a student with an interest in computing and development. You will gain valuable experience developing a testing environment for a leading industrial research centre, thereby adding to your portfolio of work. You will drive the project to completion, taking responsibility to ensure that the design meets the functionality requirements of the SES Research team. You will also have ample opportunity to present your suggestions and ideas.</p> <p>Because the project comprises of several components, your time management skills will be challenged, as will your ability to work independently.</p>								
Who will be working with you?	You will work primarily with Dr. Johann Roturier, a Principal Research Engineer specializing in Language Technology Research at Symantec.								
Short description of the group:	The Shared Engineering Services EMEA Research group brings innovative language technology solutions to the company. The group works closely with partners and internal customers to deliver research-based solutions that increase the efficiency of existing processes and help Symantec users gain access to personalised multilingual content. The group provides regional groups with language technology expertise ranging from Machine Translation to Community Collaboration. Shared Engineering Services EMEA Research also partners with outside organizations on joint projects, through its university collaboration and open-source efforts.								
Recommended Reading Material:	<p>Example of NLP evaluation: http://alias-i.com/lingpipe/demos/tutorial/chineseTokens/read-me.html</p> <p>Python tutorial: http://wiki.python.org/moin/BeginnersGuide</p> <p>Django tutorial: http://docs.djangoproject.com/en/dev/intro/tutorial01/</p>								
For further details on this project please contact:	<table border="0"> <tr> <td>Name:</td> <td>Johann Roturier</td> </tr> <tr> <td>Phone:</td> <td>(01) 8617102</td> </tr> <tr> <td>E-Mail:</td> <td>johann_roturier@symantec.com</td> </tr> <tr> <td>Website:</td> <td>http://www.symantec.com/about/profile/ses/index.jsp</td> </tr> </table>	Name:	Johann Roturier	Phone:	(01) 8617102	E-Mail:	johann_roturier@symantec.com	Website:	http://www.symantec.com/about/profile/ses/index.jsp
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¹ 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.