



## JOB DESCRIPTION

<b>Job Title:</b>	Post-doctoral Research Assistant
<b>Department / Unit:</b>	Information Security Group
<b>Job type</b>	Research
<b>Grade:</b>	RHUL 7
<b>Accountable to:</b>	Santanu Dash
<b>Accountable for:</b>	
<b>Purpose of the Post</b>	
Dr. Santanu Dash received funding from EPSRC to build tools that assist software developers automatically update their software to use newer versions of libraries. The post will assist Dr. Dash in this task.	
<b>Key Tasks</b>	
Conducting research in building automation tools for Software Engineering in collaboration with Dr. Dash and the other team members;	
Writing papers, reports and presentations;	
Attending conferences, workshops, and summer schools to disseminate the research;	
Assisting in arranging project meetings and workshops;	
<b>Other Duties</b>	
The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the College. The post holder will be expected to undertake other duties as appropriate and as requested by his/her manager.	
The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.	
<b>Internal and external relationships</b>	
The post holder will be required to liaise with a variety of stakeholders including, but not limited to, project partners.	

## PERSON SPECIFICATION

Details on the qualifications, experience, skills, knowledge, and abilities that are needed to fulfil this role are set out below.

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**Department:** Information Security Group

	Essential	Desirable	Tested by Application Form/Interview/Test
<b>Knowledge, Education, Qualifications and Training</b>			
PhD in relevant discipline	X		App Form
<b>Skills and Abilities</b>			
Ability to work independently	X		App Form and Interview
Willingness and ability to collaborate	X		App Form and Interview
Effective communication: written and verbal	X		App Form and Interview
Creativity and originality in research	X		App Form and Interview
<b>Experience</b>			
Automation of Software Engineering Tasks	X		App Form and Interview
Symbolic or Data-driven Software Analysis		X	App Form and Interview
Automated Software Transformation		X	App Form and Interview
Natural Language Processing		X	App Form and Interview
Publications in leading journals/conferences	X		App Form