Curriculum Vitae

Personal Information

Name	**Rojas, José Miguel**
Nationality	Bolivian
Email Addresses	j.rojas@sheffield.ac.uk
Google Scholar Profile	https://scholar.google.co.uk/citations?user=NeuqUtcAAAAJ
DBLP Profile	https://dblp.org/pid/94/5122

Qualifications

Dates	01/2018 – 08/2019
Institution	Advance HE, United Kingdom
Qualification awarded	*HEA Fellow*
Dates	10/2009 – 12/2013
Institution	Technical University of Madrid, Spain
Degree awarded	*Phd. in Software and Systems*
Thesis title	Test Case Generation in Object Oriented Programming
Dates	02/2008 – 09/2009
Institution	Autonomous University of Madrid, Spain
Study	*Postgraduate Study in Computer Engineering and Telecommunications*
Dates	04/2005 – 12/2005
Institution	Gabriel René Moreno University, Bolivia
Qualification awarded	*Postgraduate Diploma in Higher Education*
Dates	02/2001 – 12/2005
Institution	Gabriel René Moreno University, Bolivia
Degree awarded	*Computer Engineer*

Work Experience

Dates	04/2022 – present
Position	Lecturer / Assistant Professor
Institution	Department of Computer Science, The University of Sheffield, United Kingdom
Dates	12/2017 – 03/2022
Position	Lecturer / Assistant Professor
Institution	School of Informatics, University of Leicester, United Kingdom
Dates	09/2017 – 12/2017
Position	Distance Learning Associate Tutor
Institution	School of Informatics, University of Leicester, United Kingdom
Dates	02/2014 – 11/2017
Position	Research Associate in Software Testing
Institution	Department of Computer Science, The University of Sheffield, United Kingdom
Dates	05/2013 – 08/2013
Occupation or position held	Google Summer of Code Software Developer

Institution	Google and NASA Ames Research Center, Mountain View, USA
Supervisors	Prof. Corina Păsăreanu and Prof. Willem Visser
Dates	09/2012 – 12/2012
Occupation or position held	Predoctoral Research Intern
Institution	NASA Ames Research Center, Mountain View, CA USA
Host Researcher	Prof. Corina Păsăreanu
Dates	10/2009 – 12/2013
Occupation or position held	Predoctoral Research Grant, awarded by the Spanish Ministry of Science and Education under the National Program for Training Human Resources
Institution	Department of Computer Science - Technical University of Madrid, Spain
Dates	12/2007 – 08/2009
Occupation or position held	IT Trainee
Institution	IT Department - Autonomous University of Madrid, Spain
Dates	06/2006 – 11/2007
Occupation or position held	.NET Developer
Institution	ABJ Consulting, Bolivia

Further Teaching

Dates	19/02/2018 – 24/02/2018
Role and Course Taught	Summer School Speaker; Automated Software Testing
Institution	University of Rio Cuarto, Argentina
Dates	14/03/2016 – 17/03/2016
Role and Course Taught	Visiting Lecturer; Automated Software Testing (Masters Seminar)
Institution	Technical University of Madrid, Spain
Dates	01/12/2014 – 13/12/2014
Role and Course Taught	Visiting Lecturer; Software Testing (Masters Module)
Institution	Gabriel René Moreno University, Bolivia
Dates	09/2013 – 01/2014
Role and Course Taught	Teaching Assistant; Algorithms and data structures (Undergraduate Module)
Institution	Technical University of Madrid, Spain
Dates	02/2006 – 12/2006
Occupation or position held	Mathematics Laboratory Assistant
Institution	Gabriel René Moreno University, Bolivia
Dates	02/2004 – 12/2005
Role and Courses Taught	Teaching Assistant; Principles of Informatics, Compilers (Undergraduate Modules)
Institution	Gabriel René Moreno University, Bolivia

Research Publications

2020	.
2019	.
	.

2018

2017

2016

2015

2014

2013

2012

2011

2010

2009

Academic Service

Chair | ICSE'21 (Proceedings Chair), SPLC'21 (Workshops Chair), EASE'21 (Workshops Chair), SBST'20, SBST'19, SSBSE'18 (Challenge Track), MUTATION'18, MUTATION'17

Program Committee Member	MUTATION'21, SBST'21, ICST'21, ESEC/FSE'20, ICST'20 (Research Track, Industry Track, Testing Tools Track), SSBSE'20, TestEd'20, MUTATION'20, SSBSE'19, ICSE'19 (Demonstrations Track), ASE'19 (Research Track, Student Research Competition), ICST'19 (Industry Track), ASE'18, ISSTA'18(AE), A-MOST'17, AST'17, GECCO'17, ICST'17 (Tool Papers Track), ISSTA'17 (AE), SBST'17, A-MOST'16, AST'16, CHESE'16, GECCO'16, ISSTA'16 (AE), MUTATION'16, ICST'15 (Tool Track)
Sub-reviewer	TAP'17, iFM'13, KDPD'13, NFM'13, TACAS'13, WFLP'13, SCAM'10
Journal Edition	STVR (MUTATION 2016-17 Special Issue)
Journal Reviewer	Computer, IST, EMSE, JSS, SCICO, SCP, STVR, TSE, TOSEM

Research Activities

Activity	Research Visit
Institution	University of Buenos Aires, Argentina
Host Researcher	Dr. Juan Pablo Galeotti
Dates	01/08/2019 – 01/09/2019
Activity	Research visit
Institution	University of Buenos Aires, Argentina
Host Researcher	Dr. Juan Pablo Galeotti
Dates	18–22/04/2016
Activity	Research visit
Institution	Technical University of Madrid, Spain
Host Researcher	Prof. Natalia Juristo
Dates	14–18/03/2016
Activity	10th TAROT International Summer School on Training And Research On Testing
Organiser	Facultade de Ingenharia, Universidade do Porto (Location: Porto, Portugal)
Dates	29/06–04/07/2014
Activity	8th LASER Summer School on Soft. Eng.: Tools for Practical Software Verification
Organiser	ETH Chair of Software Engineering (Location: Elba Island, Italy)
Dates	04–10/09/2011
Activity	Research visit
Institution	KTH Royal Institute of Technology, Stockholm, Sweden
Host Researcher	Prof. Mads Dam
Dates	05/2011 – 07/2011

Software Projects

Name	Code Defenders
Description	Mutation testing game for software testing education and crowdsourcing
URL	code-defenders.org
Role	Lead developer
Name	EvoSuite
Description	Search-based unit test generation for Java
URL	evosuite.org
Role	Developer
Name	PET
Description	Test data generation using symbolic execution
URL	costa.ls.fi.upm.es/pet

Role	Developer

Research Projects

Project title	Trustworthy Autonomous Systems Verifiability Node
Financing Organisation	EPSRC/UKRI
Participant Organisations	University of Leicester (Lead), U. of Leeds, U. of Manchester, U. of Sheffield, U. of York
Duration	11/2020 – 11/2022
Main Researcher	Prof. Mohammad Mousavi
Website	http://verifiability.org/
Project title	GReaTest: *Growing Readable Software Tests*
Financing Organisation	Engineering and Physical Sciences Research Council (EPSRC) (EP/N023978/1)
Participant Organisations	University of Sheffield, Barclays Bank Plc, Google, Microsoft
Duration	03/2016 – 02/2020
Main Researcher	Dr. Gordon Fraser
Project title	EXOGEN: *Explorative Test Oracle Generation*
Financing Organisation	Engineering and Physical Sciences Research Council (EPSRC) (EP/K030353/1)
Participant Organisations	University of Sheffield, Google, Microsoft
Duration	02/2014 – 08/2015
Main Researcher	Dr. Gordon Fraser
Project title	PROMETIDOS-CM: *Madrid Program in Rigorous Methods for the Development of Software*
Financing Organisation	Madrid Regional Government (CAM S2009TIC-1465)
Participant Organisations	IMDEA Software (Spain), Technical University of Madrid (Spain), Universidad Complutense de Madrid (Spain)
Duration	January 2010 – December 2013
Main Researcher	Prof. Francisco Bueno
Project title	DOVES: *Development Of Verifiable and Efficient Software*
Financing Organisation	Spanish Ministry of Science and Innovation (TIN 2008-05624)
Participant Organisations	Technical University of Madrid (Spain)
Duration	January 2009 – December 2013
Main Researcher	Prof. Manuel Hermenegildo
Project title	HATS: *Highly Adaptable and Trustworthy Software using Formal Models*
Financing Organisation	CE ICT GA#231620
Participant Organisations	CTH (Sweden), UIO (Norway), KTH (Sweden), Technical University of Madrid (Spain), UKL (Germany), BOL (Italy), CWI (Holland), NRS (Norway), FRH (Germany), FRG (Holland), KUL (Belgium)
Duration	March 2009 – February 2013
Main Researcher	Prof. Germán Puebla

Languages

Mother tongue	**Spanish**
Proficient	English
Basic	German