Curriculum Vitae

Personal information

First names / Surname	**Damiano Torre**
Address	Val des roses, 7 – 6480 Echternach, Luxembourg
Telephone	(+352) 621-721-698
E-mail	damianotorre@gmail.com
Personal website	https://damianotorre.github.io
Nationality	Italian
Date of birth	May 9th, 1983
Gender	Man
Field	**Computer Science**

Work experience

Dates	February 28th, 2001 – August 9th, 2005
Occupation or position held	IT expert (contracted)
Main activities and responsibilities	I took care of the accounting of external companies that worked for the Manifatture Roger through a database developed in MySQL. From September 2004 to June 2005 I worked in Bulgaria (Sofia and Plovdiv) as a Manifatture Roger employee.
Name and address of employer	Manifatture Roger s.r.l. Via Callano, 161/162, 70051 Barletta (Italy)
Dates	January 1st, 2009 - September 30th, 2009
Occupation or position held	Software developer (scholarship)
Main activities and responsibilities	I worked on the development of a tool to evaluate the quality of the UML class diagrams (CD tool). In this research period, I developed a taxonomy of 80 rules to evaluate the quality of UML class diagrams.
Name and address of employer	Grupo Alarcos - University of Castilla-La Mancha, Escuela Superior de Informática Paseo de la Universidad, 4, 13071 Ciudad Real (Spain)
Dates	January 14th, 2010 - July 30th, 2010
Occupation or position held	Software developer (contracted)
Main activities and responsibilities	I developed a tool to evaluate the quality of UML class diagrams. It is a semi-automatic tool developed in Java with NetBeans using jdom, swing, jdesktop, awt, useful, lang, libraries. This tool works by using files XML and XSD. Files XSD are produced by EMF (Eclipse Modelling Framework), which turns files UML (created by Eclipse, IBM Rational Rose, Poseidon or ArgoUML) into XSD in two steps. The tool measures the UML class diagrams quality, thanks to more than 80 rules, and it also returns an evaluation result with statistical reports.
Name and address of employer	Grupo Alarcos - University of Castilla-La Mancha, Escuela Superior de Informática Paseo de la Universidad, 4, 13071 Ciudad Real (Spain)
Dates	October 17th, 2011 – March 28th, 2012
Occupation or position held	Solution Assistant (contracted)
Main activities	Some of the important tasks I have carried out are: 1) learning about Web-sphere tool; 2) developing and verifying UML models (mostly class diagrams and state chart diagrams) with Vega Modeler and IBM Rational Rose tools under the supervision of experts; 3) working in a team of 15 people; 4) managing and organizing the work of other colleagues.
Name and address of employer	Everis Spain S.L. - Everis Group. - Avenida Manoteras, 52, 28050, Madrid (Spain)

Dates	September 2012 – September 2015
Occupation or position held	Research Assistantship (scholarship)
Main activities	Research work related to my PhD thesis.
Name and address of employer	Squall Laboratory - Carleton University, Department of Systems and Computer Engineering 1125 Colonel By Drive, Ottawa, Ontario, K1S 5B6, (Canada)

Dates	October 2015 – April 2016
Occupation or position held	MDE Researcher(contracted)
Main activities	Research work related to my PhD thesis.
Name and address of employer	Grupo Alarcos - University of Castilla-La Mancha, Escuela Superior de Informática Paseo de la Universidad, 4, 13071 Ciudad Real (Spain)

Dates	January 2017 – August 2017
Occupation or position held	Contract Instructor (contracted)
Main activities	Instructor (lectures) of the courses SYSC-4102 (Performance Engineering), SYSC-5102 (Design of High-Performance Software) and SYSC-5709 (Advanced Topics in Software Engineering Model Driven Software Engineering in Practice)
Name and address of employer	Carleton University, Department of Systems and Computer Engineering 1125 Colonel By Drive, Ottawa, Ontario, K1S 5B6, (Canada)

Dates	September 2017 – April 2018
Occupation or position held	MDE Expert (contracted)
Main activities	Research work related to my PhD thesis (UML Consistency rules) and Eclipse Papyrus.
Name and address of employer	Squall Laboratory - Carleton University, Department of Systems and Computer Engineering 1125 Colonel By Drive, Ottawa, Ontario, K1S 5B6, (Canada)

Dates	May 2018 – August 2018
Occupation or position held	Contract Instructor (contracted)
Main activities	Instructor (lectures) of the courses SYSC-2100 (Algorithms and Data Structures), and SYSC-5709 (Advanced Topics in Software Engineering Model Driven Software Engineering in Practice)
Name and address of employer	Carleton University, Department of Systems and Computer Engineering 1125 Colonel By Drive, Ottawa, Ontario, K1S 5B6, (Canada)

Dates	December 2018 – present
Occupation or position held	Research Associate – Postdoc (contracted)
Main activities	Coordinating two main research projects involving two industry partners from the legal and finance domain. I worked on developing industrially applicable automated support for GDPR compliance assessment, and innovative solutions for improving requirements engineering in the financial domain.
Name and address of employer	University of Luxembourg, 2, avenue de l'Université, 4365 Esch-sur-Alzette, (Luxembourg)

Education	

Dates	September 9th, 2005 – October 7th, 2009
Title of qualification awarded	Bachelor in Computer Science and Technology for the development of software
Principal subjects covered	Principal courses in Software engineering, Models of the quality of software, Algorithms and database, Program languages, C and C++, Web programming, etc. Final project (2009): CD-TOOL: Development of a tool to evaluate the class diagram quality. Supervisors: Giuseppe Visaggio (University of Bari) and Marcela Genero (University of Castilla-La Mancha).
Name of the university	Univesitá degli Studi di Bari Via Giulio Petroni, 15, 70124 Bari (Italy)

Dates	October 5th, 2009 – July 13th, 2011
Title of qualification awarded	University master in Advanced Informatics Technologies
Principal subjects covered	Quality of user interfaces: advanced development. Quality and measurement of information systems. Scientific document generation in Computer science. Methodologies and techniques of Computer science investigation. Tests and security of Information systems. Advanced systems of interaction person-computer: collaborative systems and ubiquitous computation. Techniques of soft-computing. New paradigms in HCI. Software processes and knowledge management. Intelligent systems applied on Internet. Software technology OO. Final project (2011): CQA-UML-METH: Methodology for evaluating UML models. Supervisor: Marcela Genero (University of Castilla-La Mancha).
Name of the university	University of Castilla-La Mancha, Escuela Superior de Informática Paseo de la Universidad, 4, 13071 Ciudad Real (Spain)
Dates	January 2012 – Summer 2018
Title of qualification awarded	Ph.D Cotutelle between two universities on the topic of "Definition and Validation of Consistency rules between UML diagrams": 1. Carleton University: Doctor of Philosophy: Electrical and Computer program in the Department of Systems and Computer Engineering (supervisors Yvan Labiche and Maged Elaasar); 2. University of Castilla-La Mancha: Doctorado en tecnología Informática Avanzada (supervisor Marcela Genero).
Principal topics covered at Carleton University	Courses in Software Engineering and Software Quality Engineering and Management. Comprehensive exam in Software Engineering (MAJOR), and Computer Architecture and Organization (MINOR).
Name of the Spanish university	University of Castilla-La Mancha, Escuela Superior de Informática (Grupo Alarcos) Paseo de la Universidad, 4, 13071 Ciudad Real (Spain)
Name of the Canadian university	Carleton University, Department of Systems and Computer Engineering (Squall Laboratory) 1125 Colonel By Drive, Ottawa, Ontario, K1S 5B6, (Canada)

Languages	
Mother tongue	**Italian**
Other languages	**fluent in Spanish and English**

Publications	
	A. Veizaga, M. Alferez, **D.Torre**, M. Sabetzadeh, L. Briand, E. Pitskhelauri. "Leveraging Natural-language Requirements for Deriving Better Acceptance Criteria from Models" To Appear In Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS), 2020.

D. Torre, S. Abualhaija, M. Sabetzadeh, L. Briand, K. Baetens, P. Goes, S. Forastier. "An AI-assisted Approach for Checking the Completeness of Privacy Policies Against GDPR" To appear in Proceedings of the 28th IEEE International Requirements Engineering Conference (RE), 2020.

D. Torre, Y. Labiche, M. Genero, M. Elaasar, C. Menghi. "UML consistency rules: a case study with open-source UML models" To appear in Proceedings of 8th International Conference On Formal Methods In Software Engineering (FormaliSE@ICSE), 2020.

D. Torre, G. Soltana, M. Sabetzadeh, L.C. Briand, Y. Auffinger, P. Goes. "Using Models to Enable Compliance Checking Against the GDPR: An Experience Report" In Proceedings of the 22nd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS), 2019.

D. Torre, Y. Labiche, M. Genero, M. Elaasar: "A Systematic Identification of UML Consistency Rules" In Journal of Systems and Software, Volume 144, October 2018, Pages 121-142, 2018.

D. Torre, Y. Labiche, M. Genero, M. Elaasar, T. Baldassarre: "UML diagram synthesis techniques: a systematic mapping study" in Proceedings of of the 10th Workshop on Modelling in Software Engineering (MISE@ICSE), 2018.

D. Torre, G. Procaccianti, D. Fucci, S. Lutovac, G. Scanniello: On the Presence of Green and Sustainable Software Engineering in Higher Education Curricula, In Proceedings of the 1st International Workshop on Software Engineering Curricula for Millennia (SECM@ICSE) 2017.

D. Torre: Verifying the Consistency of UML Models. In Proceedings of the 27th IEEE International Symposium on Software Reliability Engineering, Fast Abstract (ISSRE): 53-54, 2016.

D. Torre, C. Calero: How Sustainable are Model Software Artifacts in the Context of Model Driven Software Engineering. In Proceedings of the 3rd International Workshop on Measurement and Metrics for Green and Sustainable Software Systems (MEGSUS@ESEM), 43-52, 2016.

D. Torre, Y. Labiche, M. Genero, M. Elaasar, T. K. Das, B. Hoisl, et al., "1st International Workshop on UML Consistency Rules (WUCOR 2015): Post workshop report," SIGSOFT Softw. Eng. Notes, vol. 41, pp. 34-37, 2016.

I. Dragomir, S. Graf, G. Karsai, F. Noyrit, I. Ober, **D. Torre**, et al., "Joint Proceedings of the 8th International Workshop on Model-based Architecting of Cyber-physical and Embedded Systems and 1st International Workshop on UML Consistency Rules (ACES-MB 2015 & WUCOR 2015) co-located with ACM/IEEE 18th International Conference on Model Driven Engineering Languages and Systems (MODELS), 2015.

D. Torre, Y. Labiche, M. Genero, and M. Elaasar, "Introduction to WUCOR 2015," in 1st International Workshop on UML Consistency Rules (WUCOR 2015) co-located with ACM/IEEE 18th International Conference on Model Driven Engineering Languages and Systems (MODELS), 2015.

D. Torre, Y. Labiche, M. Genero, and M. Elaasar, "UML consistency rules in technical books" in Proceedings of 26th IEEE International Symposium on Software Reliability Engineering, Fast Abstract (ISSRE), 2015.

D. Torre, "On validating UML consistency rules,"in Proceedings of the 26th IEEE International Symposium on Software Reliability Engineering, Doctoral Symposium (ISSRE), 2015.

D. Torre, Y. Labiche, and M. Genero, "UML consistency rules: a systematic mapping study,"in Proceedings of 18th International Conference on Evaluation and Assessment in Software Engineering (EASE), 2014.

D. Torre, "On collecting and validating UML consistency rules: a research proposal,"in Proceedings of Doctoral Symposium at 18th International Conference on Evaluation and Assessment in Software Engineering (EASE), 2014.

M. Rodríguez, M. Genero, **D. Torre**, B. Blasco, and M. Piattini, "A Methodology for Continuos Quality Assessment of Software Artefacts,"in Proceedings of the 10th International Conference on Quality Software (QSIC), 2010.

D. Torre, B. Blasco, M. Genero, and M. Piattini, "CQA-ENV: An Integrated Environment for the Continuous Quality Assessment of Software Artifacts,"in Proceedings of the 8th international conference on New Trends in Software Methodologies, Tools and Techniques (SOMET), 2009. |

Certification	Certificate in Preparing to Teach obtained at Carleton University (Canada) in October 2015.
Scholarship	Back to The Future (Italy) Master Scholarship: 25000 Euro, 2009.
Organizing Committee	IEEE International Symposium on Software Reliability Engineering (ISSRE): Web Chair (2015), Publicity and Local Arrangements Chair (2016), Doctoral Symposium Co-chair (2017), Publicity Co-chair (2018), Fast Abstract Co-chair (2019), and Workshops Co-chair (2020). Part of the local organizing committee at the Empirical Software Engineering International Week (2016).
Event Organizer	Principal Chair organizer of the 1st International Workshop on UML Consistency Rules (WUCOR 2015), https://wucor.wordpress.com/
Program Committee Member	ISSRE (2018, 2019, and 2020), ISSRE Fast Abstract 2020, ICSE Posters 2021, ESEM Emerging results, Vision papers and Poster track (2018, 2019, 2020), ESEM IDoESE Doctoral Symposium 2019, NEXTA 2018, and JISBD 2020.
International Journal Articles Reviewed	IEEE Software, IEEE Transactions on Industrial Informatics, Journal on Computer Science and Engineering, Information and Software Technology, Software Testing Verification and Reliability, and e-Informatica Software Engineering Journal.
Student Volunteer	EASE 2012 (Ciudad Real, Spain), MODELS 2015, awarded as "Best Student Volunteer" (Ottawa, Canada), ICT4S 2018 (Toronto, Canada).
Other	Systems and Computer Engineering Department representative at the Graduate Students Associations council at Carleton University (Canada) 2012-2017. Board member of the Carleton Food Collective at Carleton University (Canada) 2012-2016. IEEE student member from 2016 to 2018. IEEE regular member since 2018 to present.
Hobbies	Cooking, hiking, and gardening.