

# Catarina Gralha

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## Education

- 2019 **PhD Computer Science**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.  
Software engineering, with a focus on requirements engineering and software quality, using empirical software engineering techniques.
- 2014 **MSc Computer Science and Engineering**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.  
Specialisation in software engineering. MSc thesis graded 20/20.
- 2012 **BSc Computer Science and Engineering**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.  
Final project graded 17/20.

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## Positions

- Aug. 2018 – **Visiting Research Student**, *University of Bristol*, United Kingdom.
- Sept. 2018 I worked with Dr. Awais Rashid and Dr. Ben Shreeve, in the Bristol Cyber Security group. We applied Grounded Theory to a set of game sessions about security requirements elicitation.
- Jan. 2017 – **Visiting Research Student**, *University of Victoria*, Canada.
- June 2017 I worked with Dr. Daniela Damian, in the SEGAL Research Group. We performed observations, interviews, meetings, and offered counselling to software startups, with regard to their practices in Requirements Engineering.
- Jan. 2014 – **Graduate Teaching Assistant**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.  
*present*
- Lab classes and office hours of the courses:
- Software Development Methods (UML, OCL)
  - Introduction to Programming (Java)
  - Object-Oriented Programming (Java)
  - Object-Oriented Programming B (Java)
  - Web Development (Ruby on Rails)
  - Informatics for Science and Engineering (Octave)
  - Transversal Skills for Science and Technology

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## Grants, Honors, and Awards

- 2015 FCT-MCTES (Portuguese Foundation for Science and Technology) Research Grant for PhD students (4-years long)
- 2014 Best paper award in the 26th International Conference on Advanced Information Systems Engineering (CAiSE'14)

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## Publications

### Journal Articles

- 2015 **Catarina Gralha**, Miguel Goulão, João Araújo. Metrics for Measuring Complexity and Completeness for Social Goal Models, *Information Systems Vol. 53*

### Conferences and Workshops

- 2019 **Catarina Gralha**, Miguel Goulão, João Araújo. Analysing Gender Differences in Building Social Goal Models: A Quasi-Experiment. *Proceeding of the 27th IEEE International Requirements Engineering Conference (RE 2019)* (**Candidate for Best Paper Award**)
- 2018 Mafalda Santos, **Catarina Gralha**, Miguel Goulão, João Araújo. Increasing the Semantic Transparency of the KAOS Goal Model Concrete Syntax. *Proceeding of the 37th International Conference on Conceptual Modeling (ER 2018)*
- Mafalda Santos, **Catarina Gralha**, Miguel Goulão, João Araújo, Ana Moreira. On the Impact of Semantic Transparency on Understanding and Reviewing Social Goal Models. *Proceeding of the 26th IEEE International Requirements Engineering Conference (RE 2018)*
- Catarina Gralha**, Daniela Damian, Anthony I. Wasserman, Miguel Goulão, João Araújo. The Evolution of Requirements Practices in Software Startups. *Proceeding of the 40th International Conference on Software Engineering (ICSE 2018)*
- 2016 Lyrene Silva, Ana Moreira, João Araújo, **Catarina Gralha**, Miguel Goulão and Vasco Amaral. Exploring Views for Goal-oriented Requirements Comprehension. *Proceedings of the 35th International Conference on Conceptual Modeling (ER 2016)*
- Mafalda Santos, **Catarina Gralha**, Miguel Goulão, João Araújo, Ana Moreira, João Cambeiro. What is the Impact of Bad Layout in the Understandability of Social Goal Models? *Proceedings of the 24th International Requirements Engineering Conference (RE 2016)*
- Catarina Gralha**. Evaluation of Requirements Models. *Doctoral Symposium @ 24th International Requirements Engineering Conference (DS@RE 2016)*
- Denise Bombonatti, **Catarina Gralha**, Ana Moreira, João Araújo, Miguel Goulão. Usability of Requirements Techniques: A Systematic Literature Review. *Proceedings of the 31st ACM Symposium on Applied Computing - Requirements Engineering Track (SAC 2016)*
- 2014 **Catarina Gralha**, Miguel Goulão, João Araújo. Identifying Modularity Improvement Opportunities in Goal-oriented Requirements Models. *Proceedings of the 26th International Conference on Advanced Information Systems Engineering (CAiSE 2014)* (**Best Paper Award**)
- 2013 **Catarina Gralha**, Miguel Goulão, João Araújo. A Systematic Comparison of *i\** Modelling Tools Based on Syntactic and Well-formedness Rules. *Proceedings of the 6th International *i\** Workshop 2013 (*i\** workshop @ CAiSE 2013)*

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## Activities

### PC Member

- 2020 International Requirements Engineering Conference (RE 2020) – Posters and Tool Demos  
Conferencia Iberoamericana de Software Engineering (CIbSE 2020) – Requirements Engineering Track

#### Reviewer

- 2018 Information and Software Technology Journal (INFSOF)  
Transactions on Software Engineering (TSE)

#### External Reviewer

- 2019 International Requirements Engineering Conference (RE 2019)
- 2018 International Requirements Engineering Conference (RE 2018)  
International Conference on Advanced Information Systems Engineering (CAiSE 2018)  
ACM/SIGAPP Symposium on Applied Computing (SAC 2018)  
International Conference on Information Systems Development (ISD 2018)  
IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2018)  
International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2018)
- 2016 Journal of Information and Software Technology (2016)  
IEEE International Requirements Engineering Conference (RE 2016)
- 2015 Brazilian Symposium on Software Engineering (SBES 2015)

#### Web Chair

- 2017 IEEE International Requirements Engineering Conference (RE 2017)
- 2016 IEEE International Requirements Engineering Conference (RE 2016)

#### Student Volunteer

- 2017 International Requirements Engineering Conference (RE 2017)
- 2012 INForum Simpósio de Informática (INForum 2012)

#### Others

- 2018 Organisation of the 3rd Workshop of the Doctoral Program in Informatics of Universidade Nova de Lisboa

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### Graduation Activities

During my PhD, I (informally) co-supervised the following MSc students:

- on going* Rita Pereira. Thesis: *Quality Evaluation of User Stories*. Co-supervision with Dr. Miguel Goulão and Dr. João Araújo
- 2017 Mafalda Santos. Thesis: *Cognitive Effectiveness Evaluation of Goal-Oriented Requirements Models*. Co-supervision with Dr. Miguel Goulão and Dr. João Araújo.

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### Projects

- 2017 – *present* **NaPiRE**, *Naming the Pain in Requirements Engineering*.  
NaPiRE constitutes a globally distributed family of surveys on RE practices and problems. The main goal is to help the research community getting a better understanding of industrial trends in RE and problems faced therein.

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### Communication and Outreach

- 2019 – *present* Gulbenkian Knowledge Academies
- 2009 – *present* Expo FCT@DI, an annual open day of Faculdade de Ciências e Tecnologia, with demonstrations and activities for middle and high school students.

- 2013 – *present* Pong!@Escolas, presentation of a both collaborative and competitive version of the Pong! game to children and teenagers.
- 2018 – 2019 Ciência Viva no Laboratório, a scientific program in the University for children and teenagers, during the summer.

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## Languages

Portuguese	<b>Native language</b>	
English	<b>Proficient user (C1)</b>	<i>Language course at ILNOVA (2010)</i>
French	<b>Proficient user (C1)</b>	<i>Language courses at Alliance Française (2011-2015)</i>
Japanese	<b>Basic user (A1)</b>	<i>Language courses at ILNOVA (2017-2018)</i>

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## Voluntary Work

- Jan. 2016 – Helping and guiding Erasmus students during their stay in Lisboa, Portugal, through the  
June 2016 Buddies Program of AEFCT (students' union).
- Nov. 2013 – Recreational and educational activities (homework assistance, study monitoring) with  
July 2015 children (6-15 years old) in Bairro da Ameixoeira, Lisboa, Portugal.
- July 2013 – Teaching and taking care of children (9-16 years old) in the summer camp Koniland in  
Aug. 2013 Volgograd region, Russia.

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## Other Activities and Interests

- 2015 – *present* Travel blog and podcast: Mundo Indefinido (in Portuguese)
- 1993 – *present* Swimming
- 2016 Travel Writing Course
- 2008 Creative Writing Course