

# Felipe Ebert

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Contact Information	Department of Mathematics and Computer Science Eindhoven University of Technology (TU/e) Groene Loper 5, 6 <sup>th</sup> floor (MF 6.085) 5612 AE Eindhoven The Netherlands <i>Webpage:</i> <a href="https://felipeebert.github.io">https://felipeebert.github.io</a>	<i>E-mail:</i> <a href="mailto:f.ebert@tue.nl">f.ebert@tue.nl</a> <i>Mobile phone:</i> (+31) 613513964
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Personal Information	<i>Date of birth:</i> May 15, 1986 <i>Place of birth:</i> Carazinho - RS, Brazil <i>Nationality:</i> Brazilian
Education	<b>Federal University of Pernambuco, Brazil</b> <i>Informatics Center</i> Ph.D. Computer Science <b>February 2019</b> <ul style="list-style-type: none"><li>• Thesis Topic: “Understanding Confusion in Code Reviews”</li><li>• Advisor: Fernando Castor</li><li>• Co-Advisor: Alexander Serebrenik</li><li>• Areas: code reviews, confusion, machine learning, surveys, card sorting, exploratory software engineering.</li></ul> <b>Federal University of Pernambuco, Brazil</b> <i>Informatics Center</i> MSc Computer Science <b>August 2013</b> <ul style="list-style-type: none"><li>• Dissertation Topic: “An Exploratory Study on Exception Handling Bugs”</li><li>• Advisor: Fernando Castor</li><li>• Areas: Exception handling, bugs, survey, and software repository mining.</li></ul> <b>Federal University of Pernambuco, Brazil</b> <i>Informatics Center</i> BSc Computer Science <b>September 2009</b> <ul style="list-style-type: none"><li>• Dissertation Topic: “<i>Promodeller: Ferramenta de Modelagem de Processo de Software a partir de arquivos no padrão BPMN utilizando Ontologia de Processo</i>” (Promodeller: Software Process Modeling Tool from BPMN files using Process Ontology)</li><li>• Advisor: Alexandre Marcos Lins de Vasconcelos</li><li>• Degree: 8.48/10</li><li>• Areas: Business Process Modeling Notation (BPMN), Software Process Engineering Metamodel (SPEM), Software process ontology.</li></ul>



Teaching Experience	<p><b>Department of Mathematics and Computer Science, Eindhoven University of Technology</b>  <b>Course:</b> Programming (BSc) - 2IP90 <b>2020 - 2021 Q1</b>  <i>Teaching Assistant</i>  <i>Duties:</i> Preparation and conduction of on-campus instructions for the Java Programming course for first year students. I worked with two different groups of students (one with 23 students and another with 13 students). The content of the instructions was a small review of the lecture content and working on collaboration exercises with the students, also helping them on the exercises.  <i>Expertise gained:</i> Ability to teach on-campus setting, while keeping the 1.5m distance rule. Additionally, I tried to apply learning theories: such as preparing Learning Outcomes and following the Principles of Instruction, even for every single instruction.</p>
	<p><b>Department of Mathematics and Computer Science, Eindhoven University of Technology</b>  <b>Course:</b> Software/Web Engineering Projects course (BSc) - 2IPEO <b>2019 - 2020 Q4</b>  <i>Teaching Assistant</i>  <i>Duties:</i> Supervision of a software project group, review and grading of the software documents produced by the students. All supervision was on the online setting.  <i>Expertise gained:</i> Ability to teach and supervise students' projects about software development process on the online setting.</p>
	<p><b>Department of Mathematics and Computer Science, Eindhoven University of Technology</b>  <b>Course:</b> Software Evolution (MSc) - 2IMP25 <b>2019 - 2020 Q4</b>  <i>Guest Lecture</i>  <i>Duties:</i> guest lecture about understanding confusion in code reviews.</p>
Professional Experience	<p><b>IBM – Recife, Brazil</b>  <i>Java Developer</i> <b>July 2009 – September 2011</b>  <i>Duties:</i> Development of WEB systems for the control of the websites of IBM customers. Technologies used: Java, Struts, Servlets, Java Server Pages (JSP), Java Server Faces (JSF).</p>
	<p><b>E.life Company – Recife, Brazil</b>  <i>Java Developer</i> <b>August 2008 – July 2009</b>  <i>Duties:</i> Development of client-server systems based on WEB with data base. Technologies used: JAVA, CXF, and MySQL.</p>
Publications	<p>[11] Felipe Ebert, Fernando Castor, Nicole Novielli, Alexander Serebrenik, “An Exploratory Study on Confusion in Code Reviews”, <b>Empirical Software Engineering (accepted)</b>, 2020.</p> <p>[10] Felipe Ebert, “From Transient Information to Persistent Documentation: Enhancing Software Documentation”, to appear in the <b>36th IEEE International Conference on Software Maintenance and Evolution (ICSME)</b>, 2020.</p> <p>[9] Victor Oliveira, Leopoldo Teixeira, Felipe Ebert, “On the Adoption of Kotlin on Android Development: A Triangulation Study”, <b>27th International Conference on Software Analysis, Evolution and Reengineering (SANER)</b>, 2020.</p>

- [8] Felipe Ebert, Fernando Castor, Alexander Serebrenik, “A Reflection on ‘An Exploratory Study on Exception Handling Bugs in Java Programs’”, **27th International Conference on Software Analysis, Evolution and Reengineering (SANER)**, 2020.
- [7] Felipe Ebert, Fernando Castor, Nicole Novielli, Alexander Serebrenik, “Confusion in Code Reviews: Reasons, Impacts, and Coping Strategies”, **26th International Conference on Software Analysis, Evolution and Reengineering (SANER)**, 2019.
- [6] Felipe Ebert, Fernando Castor, Nicole Novielli, Alexander Serebrenik, “Communicative Intention in Code Review Questions”. **34th International Conference on Software Maintenance and Evolution (ICSME)**, 2018.
- [5] Felipe Ebert, Fernando Castor, Nicole Novielli, Alexander Serebrenik, “Confusion Detection in Code Reviews”, **33rd International Conference on Software Maintenance and Evolution (ICSME)**, 2017.
- [4] Marcel Rebouças, Gustavo Pinto, Felipe Ebert, Wesley Torres, Alexander Serebrenik, Fernando Castor, “An Empirical Study on the Usage of the Swift Programming Language”, **23rd International Conference on Software Analysis, Evolution, and Reengineering (SANER)**, 2016.
- [3] Felipe Ebert, Fernando Castor, Alexander Serebrenik, “An Exploratory Study on Exception Handling Bugs in Java Programs”, **Journal of Systems and Software (JSS)**, Elsevier, Vol.106, pp. 82-101, 2015.
- [2] Irineu Moura, Gustavo Pinto, Felipe Ebert, Fernando Castor, “Mining Energy-Aware Commits”, **12th Working Conference on Mining Software Repositories (MSR)**, 2015.
- [1] Felipe Ebert, Fernando Castor, “A Study on Developers’ Perceptions about Exception Handling Bugs”, **29th International Conference on Software Maintenance (ICSM)**, 2013.

Invited  
Presentations

- **Understanding Confusion in Code Reviews**, invited by Miguel Botto Tobar as a keynote for the International Conference on Technology Trends, Universidad Técnica de Babahoyo – Ecuador, August 2019.
- **Confusion Detection in Code Reviews**, invited by Jens Krinke for the CREST Open Workshop (COW), University College London – UK, November 2017.
- **Confusion Detection in Code Reviews**, invited for the BENEVOL 2017 (BELgian-NETHERlands software eVOLution symposium), University of Antwerp – Belgium, April 2017.

Reviewer of  
Journals

- Transactions on Software Engineering (TSE)
- Empirical Software Engineering (EMSE)
- Science of Computer Programming (Original Software Publications)

Program  
Committee  
Member

- International Conference on Software Maintenance and Evolution (**ICSME 2020**) - Doctoral Symposium track
- Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (**ESEC/FSE 2020**) - Student Research Competition track
- Seminar Series on Advanced Techniques & Tools for Software Evolution (**SATToSE 2020**)
- XIV Brazilian Symposium on Software Components, Architectures, and Reuse (**SBCARS 2020**)

	<ul style="list-style-type: none"> <li>• VIII Workshop on Software Visualization, Evolution and Maintenance (<b>VEM 2020</b>)</li> <li>• XXXIII Brazilian Symposium on Software Engineering (<b>SBES 2019</b>) - Insightful Ideas &amp; Emerging Results track</li> <li>• XIII Brazilian Symposium on Software Components, Architectures, and Reuse (<b>SBCARS 2019</b>)</li> <li>• VII Workshop on Software Visualization, Evolution and Maintenance (<b>VEM 2019</b>)</li> <li>• The 4th International Conference on Technology Trends (<b>CITT 2018</b>)</li> <li>• The 3rd International Conference on Technology Trends (<b>CITT 2017</b>)</li> </ul>
Student Volunteer	<ul style="list-style-type: none"> <li>• Systems, Programming, Languages and Applications: Software for Humanity (<b>SPLASH 2016</b>)</li> </ul>
Master student	<p><b>Eric Arts</b> <span style="float: right;"><b>2020 - Now</b></span></p> <p><i>Individual Research Project</i></p> <p>Topic: “Investigating the usage of the TODO Bot”, Eindhoven University of Technology (with Prof. Alexander Serebrenik).</p>
Co-Advisor	<p><b>Luc Reinink</b> <span style="float: right;"><b>2020 - Now</b></span></p> <p><i>Individual Research Project</i></p> <p>Topic: “Extracting Relevant Comments from Code Reviews”, Eindhoven University of Technology (with Prof. Alexander Serebrenik).</p>
	<p><b>Tianyu Liu</b> <span style="float: right;"><b>2018</b></span></p> <p><i>Individual Research Project</i></p> <p>Topic: “Confusion analysis in code reviewing”, Eindhoven University of Technology (with Prof. Alexander Serebrenik).</p>
Languages	<ul style="list-style-type: none"> <li>• <b>Portuguese</b> (Native Language)</li> <li>• <b>English</b> (fluent)</li> </ul>
Courses	<p><b>Teaching Skills for PhD students</b> <span style="float: right;"><b>September 2020</b></span></p> <p>Eindhoven University of Technology</p> <p>Workload: 12 hours</p>
	<p><b>Teaching &amp; Learning in Higher Education</b> <span style="float: right;"><b>June 2020</b></span></p> <p>Eindhoven University of Technology</p> <p>Workload: 25 hours</p>
Academic Profiles	<ul style="list-style-type: none"> <li>• <b>Google Scholar</b>: <a href="https://scholar.google.com/citations?user=0_kRyLwAAAAJ">https://scholar.google.com/citations?user=0_kRyLwAAAAJ</a></li> <li>• <b>DBLP</b>: <a href="https://dblp.uni-trier.de/pers/hd/e/Ebert:Felipe">https://dblp.uni-trier.de/pers/hd/e/Ebert:Felipe</a></li> </ul>
Social Profiles	<ul style="list-style-type: none"> <li>• <b>Twitter</b>: <a href="https://twitter.com/felipe_fifo">https://twitter.com/felipe_fifo</a></li> <li>• <b>LinkedIn</b>: <a href="https://www.linkedin.com/in/felipe-ebert-1830401b3">https://www.linkedin.com/in/felipe-ebert-1830401b3</a></li> </ul>