

Felipe Ebert

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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	Federal University of Pernambuco, Brazil <i>Informatics Center</i> Ph.D. Computer Science February 2019 <ul style="list-style-type: none">• Thesis Topic: “Understanding Confusion in Code Reviews”• Advisor: Fernando Castor• Co-Advisor: Alexander Serebrenik• Areas: code reviews, confusion, machine learning, surveys, card sorting, exploratory software engineering. Federal University of Pernambuco, Brazil <i>Informatics Center</i> MSc Computer Science August 2013 <ul style="list-style-type: none">• Dissertation Topic: “An Exploratory Study on Exception Handling Bugs”• Advisor: Fernando Castor• Areas: Exception handling, bugs, survey, and software repository mining. Federal University of Pernambuco, Brazil <i>Informatics Center</i> BSc Computer Science September 2009 <ul style="list-style-type: none">• 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)• Advisor: Alexandre Marcos Lins de Vasconcelos• Degree: 8.48/10• Areas: Business Process Modeling Notation (BPMN), Software Process Engineering Metamodel (SPEM), Software process ontology.

Duties: 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.

Expertise gained: 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.

Department of Mathematics and Computer Science, Eindhoven University of Technology

Course: Software/Web Engineering Projects course (BSc) - 2IPEO

2019 - 2020 Q4

Teaching Assistant

Duties: Supervision of a software project group, review and grading of the software documents produced by the students. All supervision was on the online setting.

Expertise gained: Ability to teach and supervise students' projects about software development process on the online setting.

Department of Mathematics and Computer Science, Eindhoven University of Technology

Course: Software Evolution (MSc) - 2IMP25

2019 - 2020 Q4

Guest Lecture

Duties: guest lecture about understanding confusion in code reviews.

Professional
Experience

IBM – Recife, Brazil

Java Developer

July 2009 – September 2011

Duties: 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).

E.life Company – Recife, Brazil

Java Developer

August 2008 – July 2009

Duties: Development of client-server systems based on WEB with data base. Technologies used: JAVA, CXF, and MySQL.

Publications

- [10] Felipe Ebert, “*From Transient Information to Persistent Documentation: Enhancing Software Documentation*”, to appear in the **36th IEEE International Conference on Software Maintenance and Evolution (ICSME)**, 2020.
- [9] Victor Oliveira, Leopoldo Teixeira, Felipe Ebert, “*On the Adoption of Kotlin on Android Development: A Triangulation Study*”, **27th International Conference on Software Analysis, Evolution and Reengineering (SANER)**, 2020.
- [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**)
- VIII Workshop on Software Visualization, Evolution and Maintenance (**VEM 2020**)
- XXXIII Brazilian Symposium on Software Engineering (**SBES 2019**) - Insightful Ideas & Emerging Results track
- XIII Brazilian Symposium on Software Components, Architectures, and Reuse (**SBCARS 2019**)
- VII Workshop on Software Visualization, Evolution and Maintenance (**VEM 2019**)
- The 4th International Conference on Technology Trends (**CITT 2018**)
- The 3rd International Conference on Technology Trends (**CITT 2017**)

Student Volunteer	<ul style="list-style-type: none"> • Systems, Programming, Languages and Applications: Software for Humanity (SPLASH 2016) 	
Master student Co-Advisor	<p>Eric Arts <i>Individual Research Project</i> Topic: “Investigating the usage of the TODO Bot”, Eindhoven University of Technology (with Prof. Alexander Serebrenik).</p> <p>Luc Reinink <i>Individual Research Project</i> Topic: “Extracting Relevant Comments from Code Reviews”, Eindhoven University of Technology (with Prof. Alexander Serebrenik).</p> <p>Tianyu Liu <i>Individual Research Project</i> Topic: “Confusion analysis in code reviewing”, Eindhoven University of Technology (with Prof. Alexander Serebrenik).</p>	<p>2020 - Now</p> <p>2020 - Now</p> <p>2018</p>
Languages	<ul style="list-style-type: none"> • Portuguese (Native Language) • English (fluent) 	
Courses	<p>Teaching Skills for PhD students Eindhoven University of Technology Workload: 12 hours</p> <p>Teaching & Learning in Higher Education Eindhoven University of Technology Workload: 25 hours</p>	<p>September 2020</p> <p>June 2020</p>
Academic Profiles	<ul style="list-style-type: none"> • Google Scholar: https://scholar.google.com/citations?user=0_kRyLwAAAAJ • DBLP: https://dblp.uni-trier.de/pers/hd/e/Ebert:Felipe 	
Social Profiles	<ul style="list-style-type: none"> • Twitter: https://twitter.com/felipe_fifo 	