

May 8th, 2017

Dear Mr. Gabriel Wainer,

My name is Ronnie Santos. I am PhD Candidate in Computer Science in Brazil, and since I am at the last semester of my PhD, I am currently looking for Postdoctoral positions, hoping to work in the context of software engineering, software quality and/or human-computer interaction. Since your department has a number of open positions in different fields, I believe that it could be a good opportunity for me to present my work and apply for one of your Postdoctoral positions.

For 8 years now, I have been working performing research in different contexts of computer science and software engineering, specially focused on human aspects in the software development process. During this time, I have worked with different research groups in Brazil, also in Canada (at UWO), and I have developed joint research with research groups in Italy, as well. I am familiar with most of the research methods applied in the field of computer science to collect and analyze data and I am interested in designing, perform and publish research. The results of my research were published in great international journals and conferences, such as the International Symposium on Empirical Software Engineering and Measurement (2013, 2014, 2015, 2016 and 2017), the International Conference on Evaluation and Assessment in Software Engineering (2014 and 2016), the International Conference on Software Engineering (2016) and the Information and Software Technology Journal (2015, 2017).

So far, I received the best paper award in three different conferences, the 20<sup>th</sup> International Conference on Evaluation and Assessment in Software Engineering, the 8<sup>th</sup> Brazilian Symposium on Information Systems and the 22<sup>nd</sup> Brazilian Symposium on Computers in Education. Moreover, in 2013, I attended as local organizer of the 17th International Conference on Evaluation and Assessment in Software Engineering held in Pernambuco, Brazil. So at this point, I can say that scientific research is something that I want to keep working with.

Regarding professional history, I have more than 3 years of experience working as a lecturer in undergraduate courses of computer science and technology, focusing on classes of software engineering, game development, human-computer interaction and web development (front-end). Teaching have become one of my great passions. Finally, in software industry, most of my experience is related to software quality, since I have worked as software test engineer in different companies, such as TECNES Research Group (9 months), Motorola Mobility Partnership (5 months), Experis Manpower Group (1 month), and recently at Stefanini (since March, 2017). Further, I have worked in other positions considering the software development process, such as, Software Requirements Analyst (6 months) and Java Developer (2 years).

Please, find enclosed my curriculum vitae and a list with my publications over the years. I hope I can be considered for a Postdoctoral position at your department. I am looking forward to hearing from you, and I thank you in advance for your consideration.

Sincerely,

Ronnie E. S. Santos  
PhD Candidate  
Department for Informatics – Federal University of Pernambuco – Brazil

**RONNIE EDSON DE SOUZA SANTOS**  
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## **EDUCATION**

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PHD CANDIDATE IN COMPUTER SCIENCE (3RD YEAR) • PRESENT DAY • UNIVERSIDADE FEDERAL DE PERNAMBUCO (BRAZIL)

Dissertation Proposal: A theory of job rotation in Software Engineering

MSC IN COMPUTER SCIENCE • 2013 - 2015 • UNIVERSIDADE FEDERAL DE PERNAMBUCO (BRAZIL)

Master Thesis: The Influence of Job Rotation on Motivation and Satisfaction of Software Engineers

BSC IN INFORMATION SYSTEMS • 2008 - 2012 • UNIVERSIDADE FEDERAL RURAL DE PERNAMBUCO (BRAZIL)

## **COMPLEMENTARY COURSES**

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QA EXPERT: SOFTWARE TESTING • UDEMY.COM

Introduction, principles and development of manual software testing.

TEST AUTOMATION WITH SELENIUM • UDEMY.COM

Creating and maintaining test scripts with Selenium WebDriver and Java.

## **HONORS AND AWARDS**

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RECOGNITION FOR GOOD WORK • MOTOROLA MOBILITY PARTNERSHIP (CIN/MOTOROLA)

Recognition certificate for good performance working with software testing.

BEST PAPER AWARD • UNIVERSITY OF LIMERICK

20<sup>th</sup> International Conference on Evaluation and Assessment in Software Engineering.

BEST PAPER AWARD • BRAZILIAN COMPUTER SOCIETY

8<sup>th</sup> Brazilian Symposium on Information Systems.

BEST PAPER AWARD • BRAZILIAN COMPUTER SOCIETY

22<sup>nd</sup> Brazilian Symposium on Informatics in Education.

## **PROFISSIONAL EXPERIENCE**

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SOFTWARE TEST ENGINEER • STEFANINI DOCUMENT SOLUTIONS • MARCH 2018 – PRESENT DAY

Description: Working close to the development of software and applications to guarantee the quality of the process, and also working on the process of planning and executing functional tests.

VISITING RESEARCHER • WESTERN UNIVERSITY OF ONTARIO (CANADÁ) • 2017 - 2017

Description: Six months researching topics related to job rotation in software engineering practice and about the motivation of software testers.

SOFTWARE TEST ANALYST • EXPERIS/MANPOWER GROUP • 2017 - 2017

Description: One month working with planning and execution of tests in telecommunication software. Tools and Frameworks: HP Application Lifecycle Management.

SOFTWARE ENGINEERING TEACHER • COLLEGE SÃO MIGUEL (BRAZIL) • 2016 - 2017

Description: Two years teaching Software Engineering in undergraduate courses.

WEB DEVELOPMENT TEACHER (FRONT END) • TECHNICAL HIGH SCHOOL OF PERNAMBUCO • 2016 - 2016

Description: This work was focused on the development of reading and video material about web development (front-end) using HTML and CSS.

RESEARCHER • BRAZILIAN NATIONAL COUNCIL FOR SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT (CNPQ) AND FEDERAL UNIVERSITY OF PERNAMBUCO • 2015 – PRESENT DAY

Description: Three years researching topics related to the software team management and software engineering.

SOFTWARE TEST ENGINEER • MOTOROLA MOBILITY PARTNERSHIP (CIN/MOTOROLA) • 2014 - 2015

Description: Five months developing performance tests for mobile phones, working with automated and manual tests. Tools and Frameworks: Jira Software.

SOFTWARE TEST ENGINEER • TECNES RESEARCH GROUP • 2012 - 2012

Description: Nine months working with functional tests and validation of features for the development of a collaborative social network centered on the support of people with genetic diseases.

SOFTWARE REQUIREMENTS ANALYST • LIFE CODE • 2011 - 2011

Description: Six months collecting and analyzing requirements for the development of a collaborative social network centered on the support of people with genetic diseases. Tools e Frameworks: Astah UML.

JAVA DEVELOPER • TECNES RESEARCH GROUP • 2010 - 2011

DESCRIPTION: TWO YEARS WORKING WITH THE DEVELOPMENT OF EDUCATIONAL SOFTWARE AND GAMES. TOOLS E FRAMEWORKS: ECLIPSE.

## **VOLUNTEER WORK**

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INFORMATICS TEACHER • 2010 / 2011

Teaching basics informatics to a group of artisans from a small city in Brazil and also to a class of students with hearing disability.

## LIST OF RECENT PUBLICATIONS

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**Would You Like to Motivate Software Testers? Ask Them How.** 11th International Symposium on Empirical Software Engineering and Measurement, 2017.

**Member Checking in Software Engineering Research: Lessons Learned from an Industrial Case Study.** 11th International Symposium on Empirical Software Engineering and Measurement, 2017.

**Benefits and Limitations of Project-to-Project Job Rotation in Software Organizations: A Synthesis of Evidence.** Information and Software Technology Journal, 2017

**Preliminary Findings about the Nature of Work in Software Engineering: An Exploratory Survey.** 10th International Symposium on Empirical Software Engineering and Measurement, 2016.

**Benefits and Limitations of Job Rotation in Software Organizations: A Systematic Literature Review.** 20th International Conference on Evaluation and Assessment in Software Engineering, 2016.

**Building a Theory of Job Rotation in Software Engineering from an Instrumental Case Study.** 38th International Conference on Software Engineering, 2016.

**Investigations about replication of empirical studies in software engineering: A systematic mapping study.** Information and Software Technology Journal, 2015.

**The use of computers in Education: A discussion in the context of Students with Hearing Impairment.** Brazilian Symposium on Computers in Education, 2014.

*Original Title: Informática na educação especial: uma discussão no contexto da educação de surdos*

**PROGLIB: Developing a Programming Language and an IDE to Teach Programming/Coding to Students with Hearing Impairment.** Revista Brasileira de Computação Aplicada, 2014.

*Original Title: Trabalhando Lógica de Programação com Portadores de Deficiência Auditiva: a Experiência com a Linguagem Proglib e a IDE Hands.*

**A 3D Learning Object to Identify Craniosynostosis: A Case Study.** Revista Novas Tecnologias na Educação, 2014.

*Original Title: Objeto de aprendizagem reutilizável em 3D para a identificação de Craniosynostosis: um estudo de caso*

**Beyond the 3C Model in Collaboration Platforms: The Case of Local Motors.** Brazilian Symposium on Information Systems, 2014.

*Original Title: Além do modelo 3C em plataformas de colaboração: o caso da montadora local motors*

**Characterizing the Research on Computers in Education: A Systematic Literature Review Based on Brazilian Publications.** Brazilian Symposium on Computers in Education, 2013.

*Original Title: Caracterizando a pesquisa em informática na educação no Brasil: um mapeamento sistemático das publicações do SBIE*

**Motivation to perform systematic reviews and their impact on software engineering practice.** 7th International Symposium on Empirical Software Engineering and Measurement, 2013.

**Developing a social network of support to health care: the experience of GenNet.** 18th Brazilian symposium on Multimedia and the web, 2012.