

MIGUEL RENOM

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Experience

Doctoral Contract 2018-2022

Université Paris-Saclay
Orsay, France

1

I developed several prototypes of text editing environments to carry out experimental protocols with VueJS and PaperJS as my tools of trade. Additionally, I coded visualizations and statistical analyses of quantitative data, written in Python using Matplotlib and SciPy.

Team Leader 2015-2017

Moove-it S.A.
Montevideo, Uruguay

2

I led three mid-sized projects related to an asset tracking portal, its mobile application and the assets' payload processing architecture. I articulated the communication between our US-based client and the development team.

Technical Lead 2013-2015

Moove-it S.A.
Montevideo, Uruguay

3

I worked on the development of internal tools for regulatory compliance and asset tracking based on Ruby on Rails. Additionally, I joined an effort to prototype a distributed architecture using an early release of Apache Kafka.

Full-stack Developer 2011-2012

Moove-it S.A.
Montevideo, Uruguay

4

Projects involved several Ruby on Rails applications ranging between business-oriented portals, marketplaces and EdTech platforms, in particular, writing unit and functional tests for an asset management backend.

I am a Software Engineer from Universidad de la República in Uruguay, holding a Ph.D. degree in Computer Science from Université Paris-Saclay in France. I have over 5 years of industry experience working on several projects built with Ruby on Rails and JavaScript. During this time, I took on roles as a Full-stack Developer, a Technical Lead and a Team Lead within Scrum development teams. I spent the last 4 years in academia conducting experimental research in a Human-Computer Interaction lab. As a result, I co-authored 2 publications in the top international conference in the field. I speak English, French and Spanish.

Publications

Miguel A. Renom, Baptiste Caramiaux, and Michel Beaudouin-Lafon. 2022. Exploring Technical Reasoning in Digital Tool Use. In CHI Conference on Human Factors in Computing Systems (CHI '22). Association for Computing Machinery, New York, NY, USA, Article 579, 1–17.

<https://doi.org/10.1145/3491102.3501877>

Han L. Han, **Miguel A. Renom**, Wendy E. Mackay, and Michel Beaudouin-Lafon. 2020. Textlets: Supporting Constraints and Consistency in Text Documents. Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems. Association for Computing Machinery, New York, NY, USA, 1–13.
<https://doi.org/10.1145/3313831.3376804>

Education

Ph.D., Computer Science 2018-2022

Human-Computer Interaction
Université Paris-Saclay
Orsay, France

M.Sc., Computer Science 2017-2018

Human-Computer Interaction
Université Paris-Sud
Orsay, France

B.Eng., Computer Science 2007-2014

Universidad de la República
Montevideo, Uruguay