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10-10-1989
Funchal - Madeira

Sara Tranquada

Summary

I have a PhD in Digital Media focusing on women and computer-oriented capacities. Prior to my PhD, I provided technical and technological support to doctors and medical staff at a clinic. This position led to the realization that programming and creating solutions that provide value to the customer, was my calling. Currently, I am leveraging my skills in programming to develop mobile phone applications that cater to diverse user needs, blending my technical expertise with my passion for creating impactful digital solutions.

Skills

- Programming Languages (HTML, CSS, JavaScript (React & React Native), PHP, Python, TypeScript)
- Framework (Bulma, Bootstrap, React, WordPress)
- Website development in Bootstrap: clinicajv.pt, WordPress: addomini.com, personal website in React: https://xpati.github.io/website
- Application development in Android Studio

Certifications

- Udemy, Master React Native Animations, Jason Brown (2023),
- Wall Street English C1 (2019),
- Project Management Course, Carolina Santos - NOVA Doctoral School (2016),

Experience

Application Developer (29/08/2022 to Current)
Nearsoft, Funchal, Madeira
Development of mobile application using react native.

Web Developer (09/2021 to 05/2022)
See Heath, LDA, Funchal, Madeira
Creation of static and dynamic websites, in bootstrap, react and svelte. Implemented a customized email signature template for professional and consistent communication. Provide email support to Madeira Safe.

Technical Assistance III (11/2020 to 03/2021)
Clínica da Sé, LDA, Funchal, Madeira
Provided computer assistance for clinic programs and technologies. Proficient in troubleshooting and resolving technical issues promptly. Implemented regular software updates, system upgrades, and robust backup procedures to ensure data integrity and enhance overall system performance.

PhD Researcher (10/2015 to 08/2018)
Madeira Interactive Technologies, Funchal, Madeira
Thesis: Confronting the Numbers of Women in Technical Fields, Making the Gender Gap in Computing Visible and Debatable.

- Research Data Management Course, Fernando Bração - NOVA Doctoral School (2016),
- Research Skills Development Course - NOVA Doctoral School (2016),
- Data Processing Automation (Python) Course, Ludwig Krippahl - NOVA Doctoral School (2016),
- Awarded Student Game Competition (CHI2013),
- Workshop in Photography, David Francisco - University of Madeira (2009)

Research & Publications

- Contribution of a chapter: "Mulheres e a tecnologia" / coord. Elsa Páscoa. - 1ª ed.
- Participation of an audio episode "Bastidores da Ciência" | Ep. 18, by ARDITI
- Contribution of a chapter: "Bias Retraining" in Wilful Technologies Rage & Resilience. Edited by Madeline Balaam & Lone Koefoed Hansen
- https://doi.org/10.1007/978-3-319-03161-3_71
- https://doi.org/10.14236/ewic/HCI2018.163
- https://doi.org/10.14236/ewic/HCI2018.186
- https://doi.org/10.1007/978-3-030-85607-6_13
- https://doi.org/10.1145/3232078.3232097
- https://doi.org/10.1145/2468356.2479481

PhD Researcher (07/2015 to 09/2015)
Madeira Interactive Technologies, Funchal, Madeira
Developed a real-time updating single-page web app with scalable architecture for optimal user experience. Integrated D3.js into web applications, enabling dynamic data visualization with the flexibility to easily incorporate additional libraries for expanded functionality.

Scholarships for Teachers / Researchers - Internship Frequency (02/2014 to 06/2015)
ARDITI, Funchal, Madeira
February 04 - March 05:
Resuming the dissertation project: Hospital Hero - a 3D game that combines the challenge of a maze, with treasure searching and positive interaction.
February 05 - June 05:
Project: TGRAM - a different approach of the tangram game in a digital and cooperative way.

Volunteer Work/Responsibilities

Co-chaired the Doctoral Consortium at the ECCE 2019 - European Conference on Cognitive Ergonomics

Student Volunteer 11th Advances in Computer Entertainment Technology Conference (ACE 2005)

Education

Doctor of Digital Media – 2021 - NOVA School of Science and Technology (FCT NOVA) – Lisbon, Portugal
Thesis: Confronting the Numbers of Women in Technical Fields, Making the Gender Gap in Computing Visible and Debatable

Master on Computer Science – 2015 - University of Madeira, Funchal, Madeira
Thesis: Hospital Hero: A Game for Reducing Stress and Anxiety of Children While Waiting in Emergency Room

Degree on Computer Science – 2011- University of Madeira, Funchal, Madeira