Bárbara Hellen Padilha da Silva

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Languages: Native Portuguese and Advanced English (MET: B2).

Education

Universidade Federal da Paraíba (UFPB)   *01/2021 – Ongoing*
B.S. in Computer Science

Publications and research papers

Becker, V., Alves, W., Silva, B., Pereira, C., Carvalho, L., Vasconcelos, E. (2025). Design, Testing, and Evaluation of a Web-Based Geographic Information System for Brazilian City Governments. International Conference on Human-Computer Interaction 2025.

Research Experience

UX design researcher   *04/2025 – Ongoing*
Development and Innovation Agency of João Pessoa – InovatecJP

- Scholarship holder of the project "TV 3.0 Applications for Public Broadcasters". Activities carried out include analysis of requirements and functionalities, prototyping in Figma, heuristic evaluation, and usability testing.

Software development researcher   *08/2024 – 04/2025*
Energy Security Study Group - Gesene UFPB

- Development of a Web application called Enetrix ⧉, a technological innovation in the area of Political Science and International Relations. This application aims to record, monitor and analyze bilateral and multilateral agreements signed by Brazil, other countries, and international organizations in the energy area.

UX design researcher   *04/2024 – 12/2024*
Development and Innovation Agency of João Pessoa – InovatecJP

- Scholarship holder for the project "Improvement of the Aprova Digital system and improvement of Filipéia Mapas da Cidade in the municipality of João Pessoa". Activities carried out include: analysis of requirements and functionalities, user research, development of profiles, personas, scenarios, and user journey, prototyping in Figma, heuristic evaluation, and usability testing.

UX design researcher   *08/2023 – 08/2024*
Interaction and media Laboratory - LIM UFPB

- Development of prototypes that simulate brain-machine interaction, with a focus on graphical interfaces, heuristic evaluations, and user testing.

Work Experience

IT intern   *João Pessoa, PB*
Government of the state of Paraíba   *12/2024 – Ongoing*

- Configuration of AtoM and Archivematica, Apache, MySQL, Elasticsearch systems and integration between systems to automate the digital document preservation flow.
- Implementation of backup and restoration procedures.
- Development and implementation of a digital platform on the Governor of Paraíba career path.

Projects

SciWiki   *repository ⧉*

- An open source tool that provides people an easier way to find open source and open science projects around the internet, which involve many areas of knowledge.
- Tools Used: PHP

Tools and interests

Tools: C, Java, HTML, JavaScript, Python, React, Bootstrap, Tailwind CSS, MySQL, Figma, Git/GitHub, Trello.

Interests: User experience design, Front-end development.

Relevant Training

Figma for Devs - Ada Tech	*2024*
Web Programmer - Federal Institute of Tocantins (IFTO)	*2024*
NLW Expert React Track - Rocketseat	*2024*
Fundamentals of UX Design - Coursera	*2024*