Ana Luiza Dallora Moraes

Postdoc in Applied Health Technology

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EDUCATION:

Blekinge Institute of Technology
Ph.D. Applied health technology, 2020
Thesis title: Applications of machine learning in healthcare

Federal University of Rio de Janeiro
M.Sc. Systems Engineering and Computing, 2015
B.S. Computer Engineering, 2012

RESEARCH EXPERIENCE:

Blekinge Institute of Technology - Department of Health

Postdoctoral Researcher   **2020 - present**
Projects: (i) Diagnosing vocal characteristics to track patients' health, in collaboration with Lund University, funded by ELLIIT; (ii) Identifying factors that affect older peoples' usage of technology. Also involved in the supervision of a Ph.D. student.

Graduate Researcher   **2015 - 2020**
Projects: (i) The prognosis of dementia with the application of machine learning techniques with the Swedish National study on Aging and Care (SNAC) database; (ii) Automatic age assessment with the application of machine learning techniques, based magnetic resonance imaging data from Swedish Age Assessment Study. Top 10% most cited author in 2019 on the PLOS ONE journal.

PROFESSIONAL EXPERIENCE:

Junior Consultant at Implementum   **2014 - 2015**
Worked with the definition of organizational processes using agile methodologies in combination with the Brazilian Software Process Quality Improvement Guidelines for both private and government-owned companies.

Project Manager and Scrum Master at Gestão de Processos Estratégicos   **2012 - 2014**
Worked with the development of software systems, team management, implementation, requirements elicitation and solution design activities.

KEY PUBLICATIONS:

- Dallora AL, Berglund JS, Brogren M, Kvist O, Diaz Ruiz S, Dübbel A, Anderberg P "Age Assessment of Youth and Young Adults Using Magnetic Resonance Imaging of the Knee: A Deep Learning Approach" JMIR Med Inform 2019;7(4):e16291 DOI: 10.2196/16291.
- Dallora, Ana Luiza, et al. "Bone age assessment with various machine learning techniques: A systematic literature review and meta-analysis." PloS one 14.7 (2019).
- Dallora, Ana Luiza, et al. "Multifactorial 10-year prior diagnosis prediction model of dementia." International journal of environmental research and public health 17.18 (2020): 6674. NBR 6023
- Dallora, Ana Luiza, et al. "Machine learning and microsimulation techniques on the prognosis of dementia: A systematic literature review." PloS one 12.6 (2017): e0179804.

List of publications - ResearchGate Profile: https://www.researchgate.net/profile/Ana-Luiza-Moraes