

air4children: Artificial Intelligence and Robotics for Children

R. Montenegro, E. Corona, D. Badillo-Pérez, A. Mandujano, L. Vázquez, D. Cruz, **Miguel Xochicale**
Workshop on Child-Robot Interaction & Child's Fundamental Rights at **#HRI2021**
March 08, 2021

✉ air4children@gmail.com

🐱 @air4children 🐦 @air4children



This slides is licensed under a Creative Commons "Attribution 4.0 International" license.
Get source of this slides and see further references from <https://github.com/air4children/hri2021>.



1. Introduction

1.1. The progress of AI and Robotics (AIR)

1.2. Open source software and hardware in AIR

2. air4children

2.1. AIR for Children

2.2. Teaching Materials

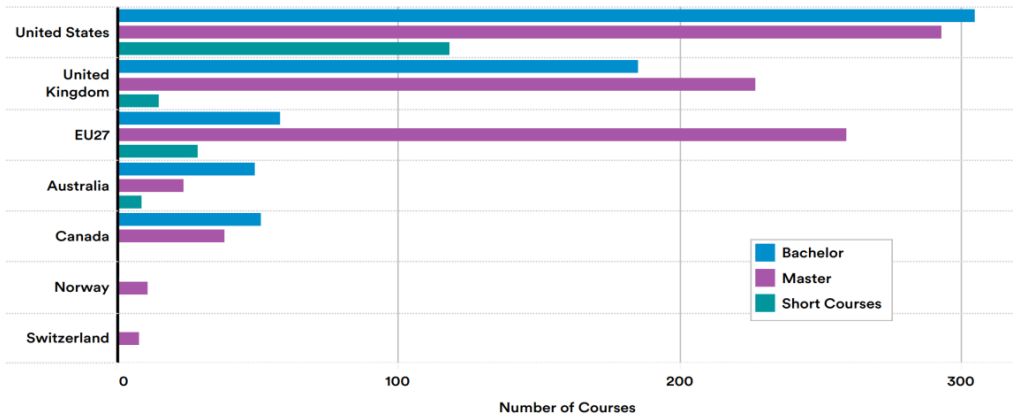
3. Conclusions and Future work

Introduction

The progress of AI and Robotics in USA, China and EU

NUMBER of SPECIALIZED AI PROGRAMS by GEOGRAPHIC AREA and LEVEL, 2019-20

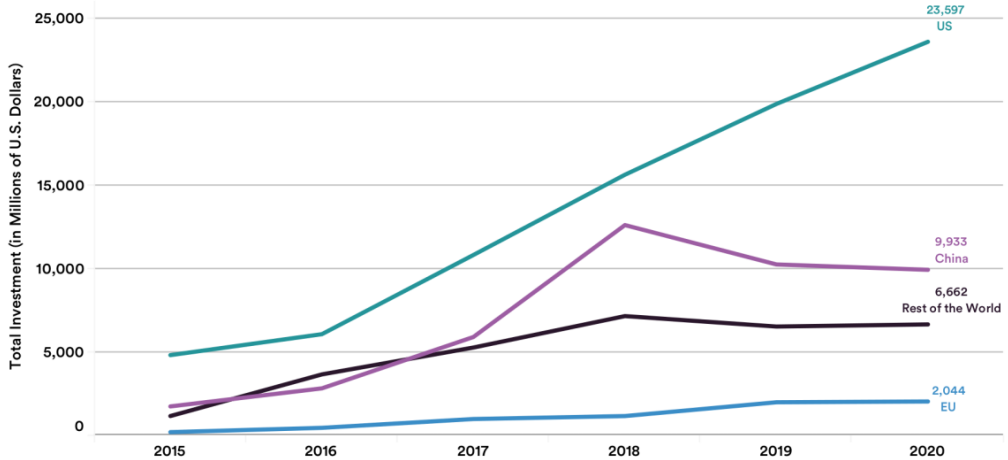
Source: Joint Research Centre, European Commission, 2020 | Chart: 2021 AI Index Report



The progress of AI and Robotics in USA, China and EU

PRIVATE INVESTMENT in AI by GEOGRAPHIC AREA, 2015-20

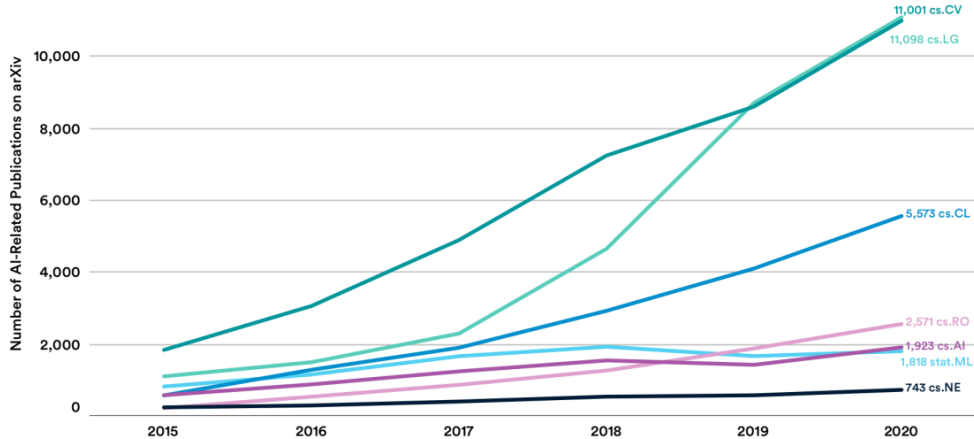
Source: CAPIQ, Crunchbase, and NetBase Quid, 2020 | Chart: 2021 AI Index Report



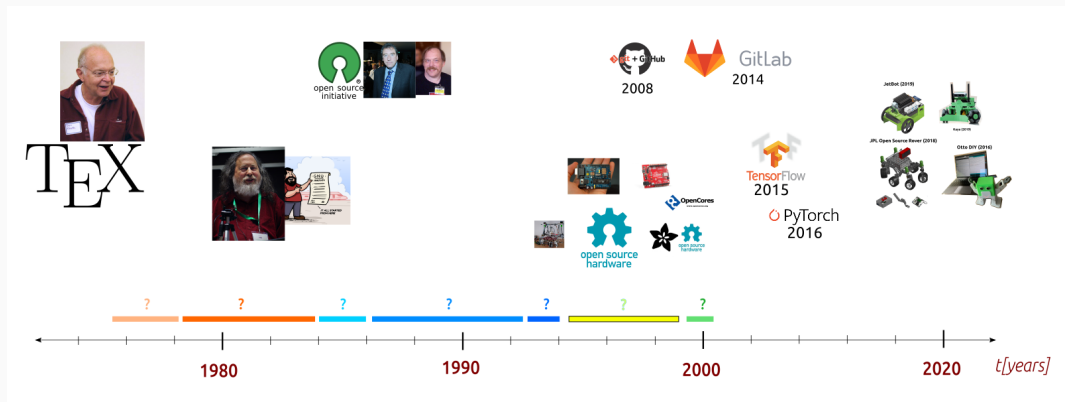
The progress of AI and Robotics in USA, China and EU

NUMBER of AI-RELATED PUBLICATIONS on ARXIV by FIELD of STUDY 2015-20

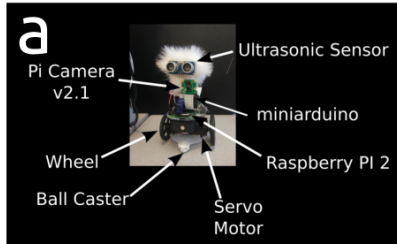
Source: arXiv, 2020 | Chart: 2021 AI Index Report



Open source software and hardware in AIR



air4children



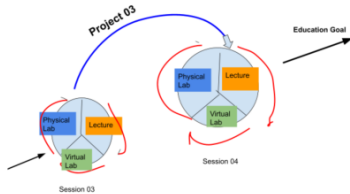
Montessori



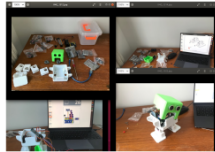
Teaching materials based on Montessori

* add image that represents montesory skills

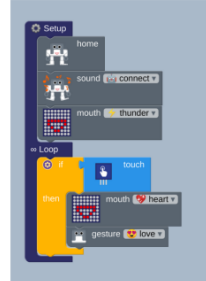
a



b



c



Conclusions and Future work

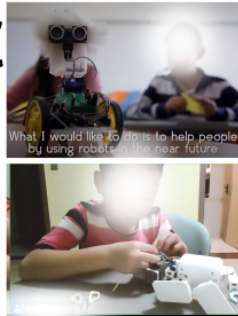
Conclusions, future work and acknowledgements

Towards a more realistic

- Fun
- Affordable
- Open Accessible
- D



C



Acknowledgements



(Lastname N. YEAR in journal of...)

air4children: Artificial Intelligence and Robotics for Children

R. Montenegro, E. Corona, D. Badillo-Pérez, A. Mandujano, L. Vázquez, D. Cruz, **Miguel Xochicale**
Workshop on Child-Robot Interaction & Child's Fundamental Rights at **#HRI2021**
March 08, 2021

✉ air4children@gmail.com

🐱 @air4children 🐦 @air4children



This slides is licensed under a Creative Commons "Attribution 4.0 International" license.
Get source of this slides and see further references from <https://github.com/air4children/hri2021>.

