Finding a fETus with UltraSound (FETUS)

Shu Wang, Ou Zhanchong, Miguel Xochicale

Event name **#2021**

June 01, 2021

e-mail@server.com
@githubhandler @twitterhandler

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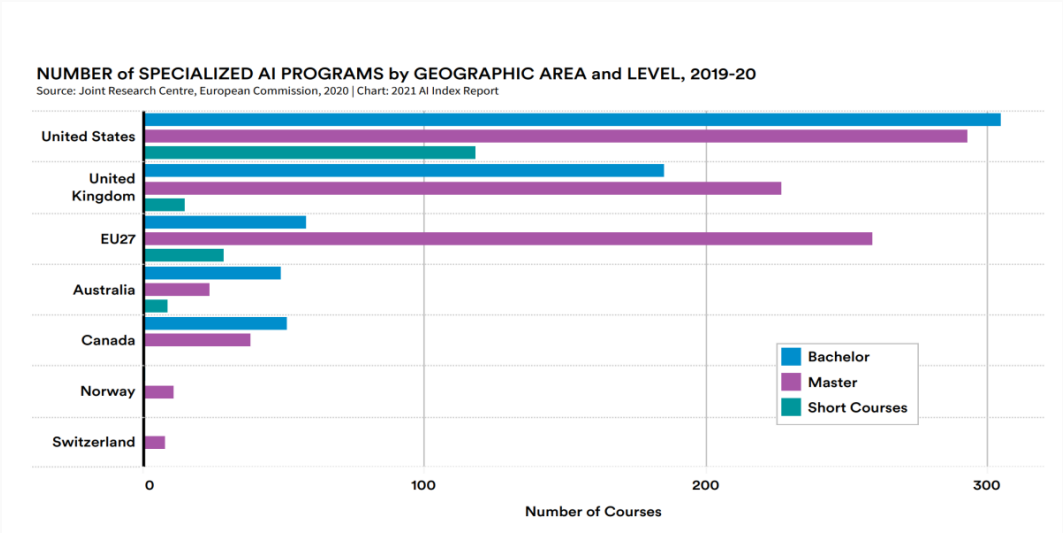
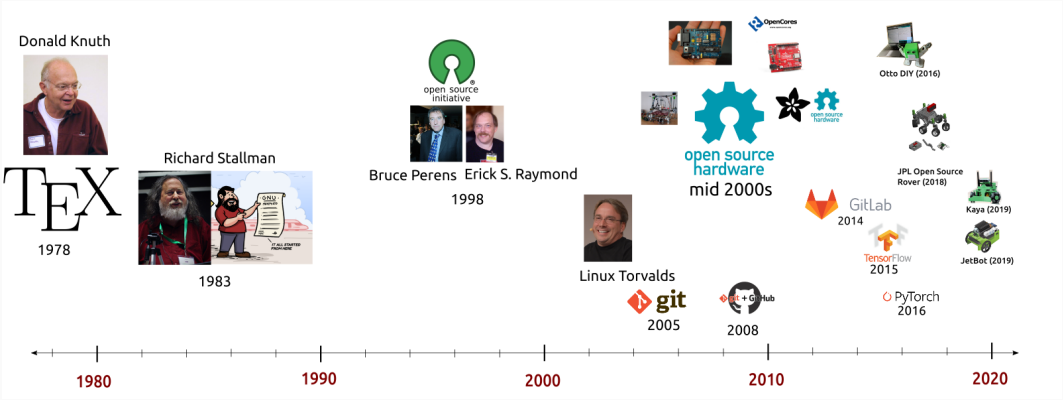
Introduction

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



(Zhang D. et al 2021 in AI 2021 Index Report, Fig 4.3.3 https://aiindex.stanford.edu/report/)

Open source software and hardware in AIR



AIR4Children

Adopting Montessori Education in the curriculum of AIR4Children

"The hand is the instrument of the mind." Dr. Maria Montessori (1970-1952).

Building
Trinomial cube

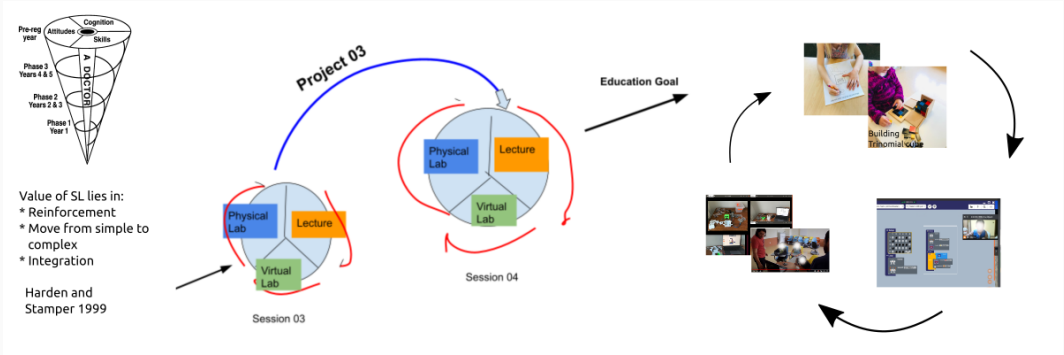
Using
4 cylinder blocks

Relating human anatomy with AI/Robot anatomy

* participate in creative explorations, develop fine motor skills, engage in collaborative and teamwork activities

(Elkin M., Sullivan A, Bers 2014 in Journal of Informantion and Technology)

Adopting Spiral Learning Methods in the curriculum of AIR4Children



(Mohammad T. et al., 2017; Harden R. M. 1999 in Journal of Medical Teacher)

Conclusions and Future work

Conclusions and future work

Conclusions

We proposed AIR4children to create

- a more inclusive, affortable and fair participation of children in AI and Robotics,
- child-centred AI and Robotics based on Spiral Learning and Montessori Education, and
- Open source robots to be affortable and fun

Future work

- Piloting ...
- Evaluation of the impact of AIR to children,

Acknowledgements

Shu Wang

Ou Zhanchong

Miguel Xochicale

Name Surname

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