

Buddy: Interactive Toy that can Play, Grow, and Remember with Baby

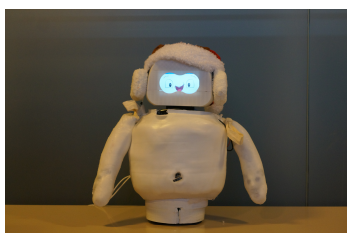


Figure 1 Interactive Toy, 'Buddy'



Figure 2 Play Board Game

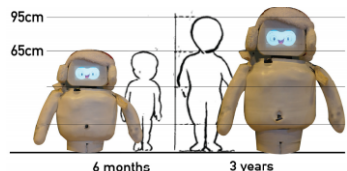


Figure 3 Grow with the Baby

Jiyong Kim
College of Engineering
jiyong120@gmail.com

Hyunsu Jeong
Integrated Creative Design
hyunsujeong@snu.ac.kr

Changhyeon Lee
Integrated Creative Design
lch961128@naver.com

Azure Yvette Pham
Dept. of Sculpture
azurepham@hotmail.com

Thiha Soe
College of Engineering
coollov.ncc@gmail.com

Pilwoo Lee
College of Engineering
schbe840@naver.com

Mingu LEE
Intermedia Lab
hybop@snu.ac.kr

Seung Woo Kim
College of Engineering
sinabrlo@snu.ac.kr

Juhyun Eune
Intermedia Lab
jheune@snu.ac.kr

Seoul National University
1 Gwanak-ro, Daehak-dong,
Gwanak-gu, Seoul 08826
Republic of Korea

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Abstract

In a single-child household, babies lack peer experiences critical to their development and overall happiness. Likewise, parents are exhausted from work and childcare, so they often miss the most precious moments of their beloved babies. With single-child households prevailing in South Korea, lonely babies and exhausted parents are now common sights. Buddy is a solution to this situation. Buddy is an interactive toy that can play, grow, and remember with the baby.

- **Play:** Baby can play and interact with Buddy which can provide various kinds of plays and games fit to the baby's intellectual development or age.
- **Grow:** Buddy grows physically according to the baby's physical development level. Parents can enter the height of their baby through the application and Buddy grows automatically based on the information from application.
- **Remember:** Buddy can take photos or record the videos by recognizing the baby's face and keep the record of moments that are meaningful for the baby and the parents such as his or her first step.

Author Keywords

Toy, Baby, Educative, Interactive; Growth, Development, Growing Mechanism; Artificial Intelligence, Patter Recognition

ACM Classification Keywords

I.2.9. Artificial Intelligence: Robotics;