

# Design for Togetherness at Home:

## Integrating Technology to Bond Children and Grandparents Through Shared Experiences



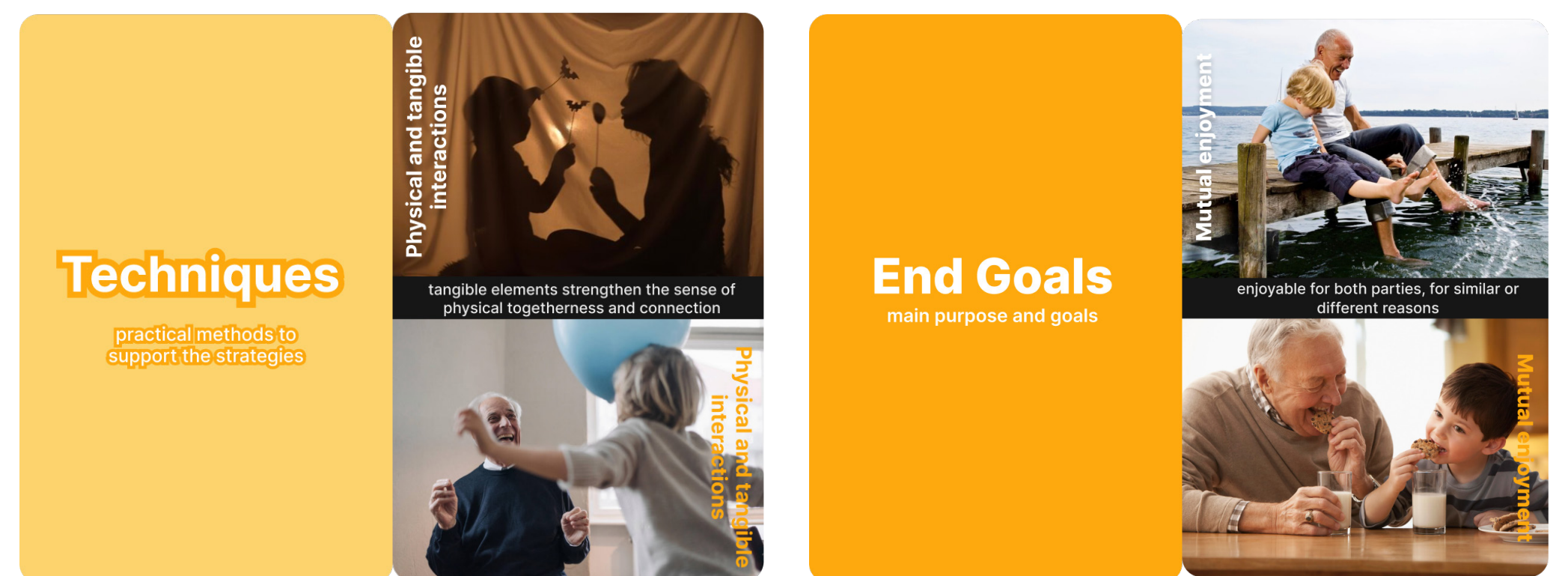
### Introduction

Strong intergenerational relationships can provide emotional support and stability for both grandparents and grandchildren. Technology tools have been proven to be beneficial in connecting grandchildren and grandparents. Prior work mainly examined how to use technology to connect children and their grandparents over a distance. Those collocated grandparents and grandchildren who keep regular physical contact are often neglected in the research. It is essential to understand technology's potential in bonding them in physical meet ups considering the trending of multigenerational families.

### Project Focus

This graduation project aims to foster connectedness between children aged 8 to 12 and their collocated grandparents in the Netherlands through physical interactions. Adopting a holistic approach, we explored moments of togetherness, identifying desired qualities of these interactions and defining promising shared experiences for the future.

Conducted in three empirical phases, the research begins by examining how technology could positively impact their bond. Using participatory cards during interviews, this phase captures participants' perspectives, identified key elements in shared activities that promote or impede intergenerational connectivity. This analysis informs a framework to guide the development of technology aimed at supporting connectivity. Eight design concepts were developed, which are then visualized through storyboards by generative AI. The final phase involves evaluating these concepts by presenting the storyboards to both experts and child-grandparent pairs. This step is intended to refine our understanding of how these technological solutions can be leveraged to strengthen family bonds.



Hongxin Xu  
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MSc. Design for Interaction

#### Committee

Dr. ir. Vegte, W.F. van der (Chair)  
MSc. Gielen, M.A. (Mentor)

