GIACOMO VAIANI

END-USER DEVELOPMENT FOR ADAPTIVE SOCIAL ROBOTS

FEELEMOTIONS?

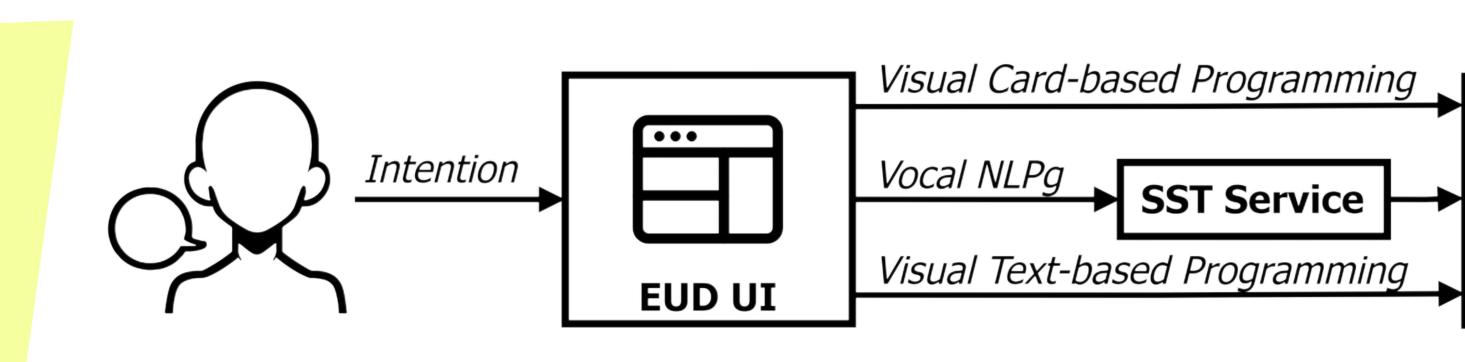
This doctoral project involves the development of a framework that enables non-expert users to create adaptive and empathetic behaviours for social robots

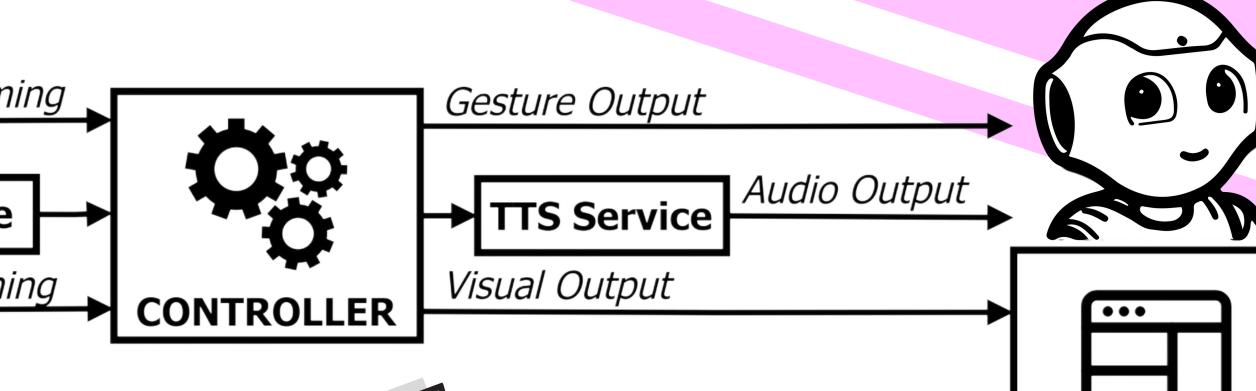
Enhancing user-friendly robot programming!

Hi! I'm Pepper.

Scan the OR code to keep in touch!

SYSTEM





ACTIVITY UI

SCIENTIFIC CONTRIBUTION

The main goal is to develop a method to basic activities for generalise programming complex, context-free tasks across various scenarios. Additionally, the aim is to introduce a multimodal programming approach that integrates enhanced visual techniques with a natural language authoring method.

MAIN SKILLS IHE PROJECI

Android for managing applications on the robot's tablet, Python libraries for the backend, and NLP for voice programming.

Opportunities to work on bachelor's and master's theses, with the possibility of publications in JOIN US! journals and conferences.







Poster designed by Giacomo Vaiani for *PhD Spotlight - November 11th, 2024 - Pisa* giacomo.vaiani@phd.unipi.it | University of Pisa - Computer Science Dept. | CNR ISTI - HIIS Laboratory