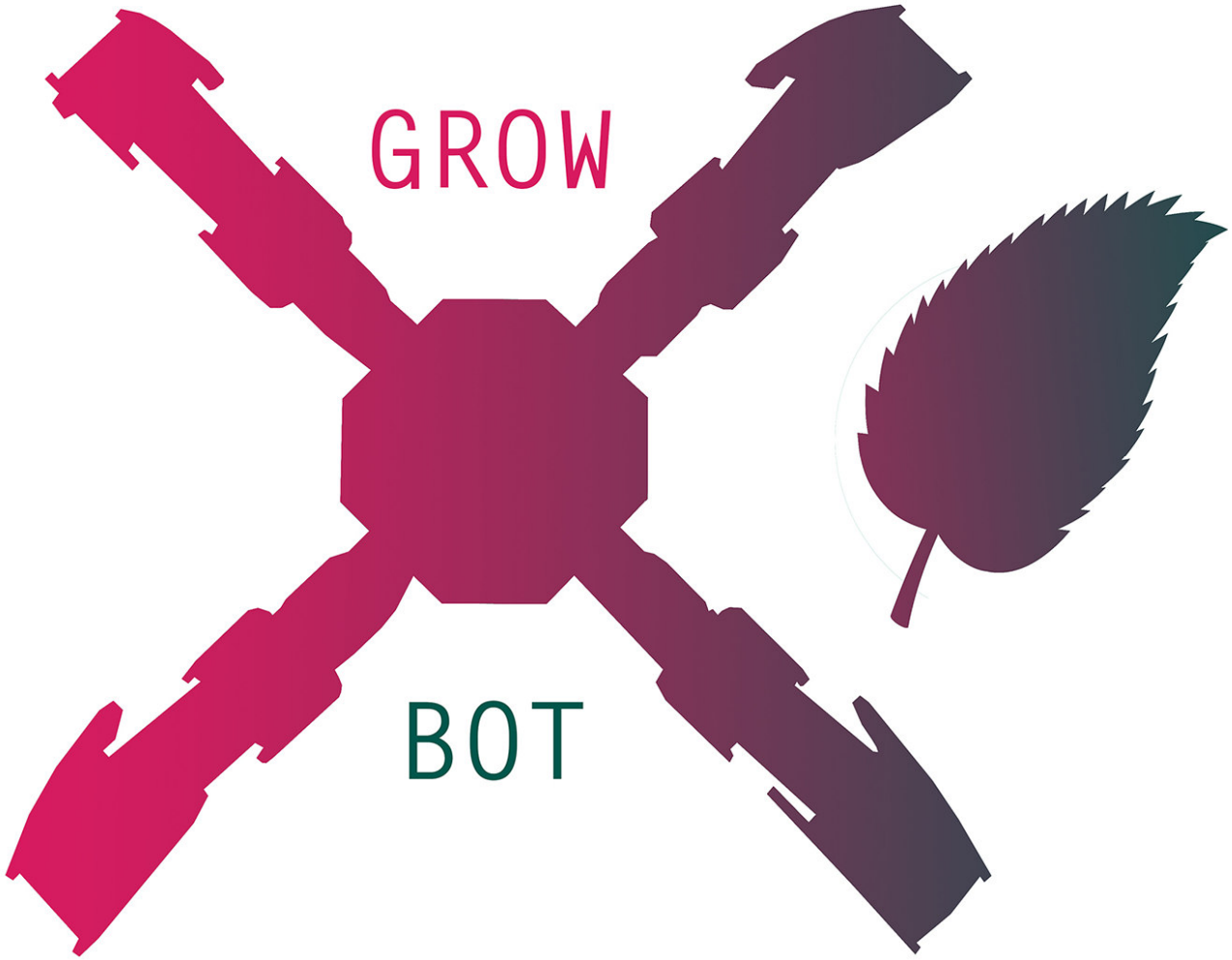
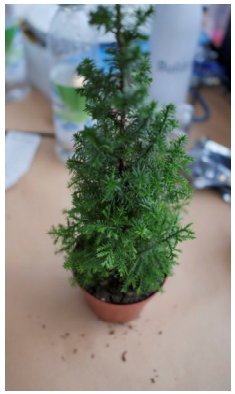


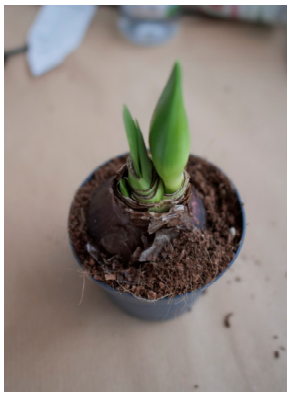
inspired by
TUM: Junge Akademie

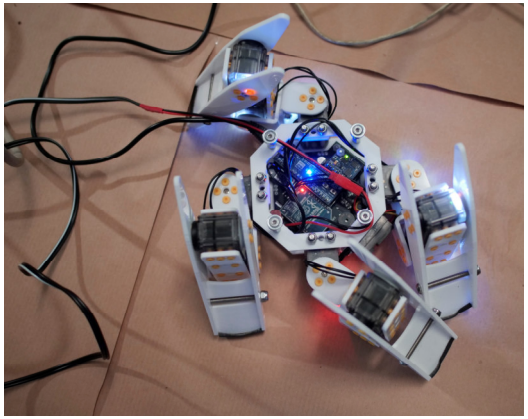
Adrian
Ashish
Irena
Pablo
Steffen

CHAIR FOR DATA PROCESSING @

group 2







USER STORY

Always busy?

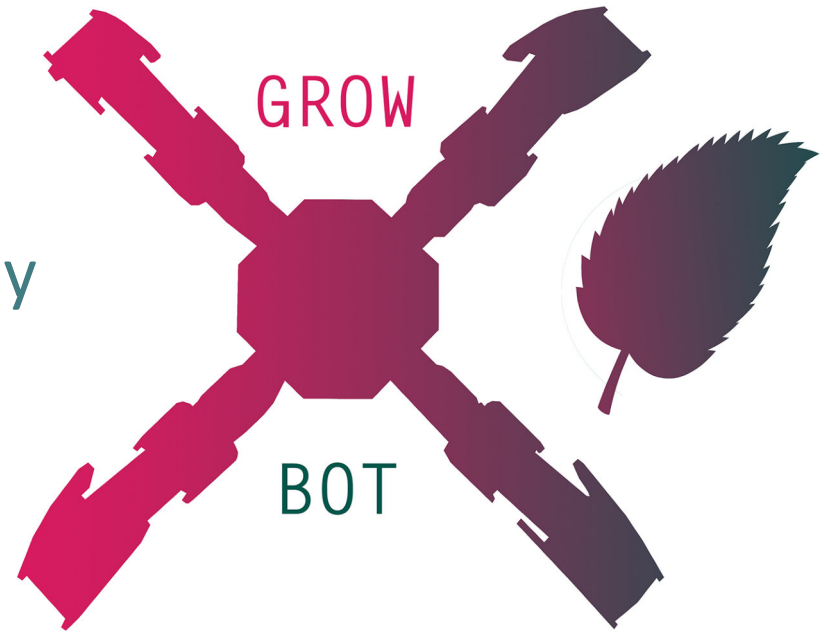
&

In love with regional products?

OUR SOLUTION – Robotic Agriculture

Healthy

Economic



Environmental friendly

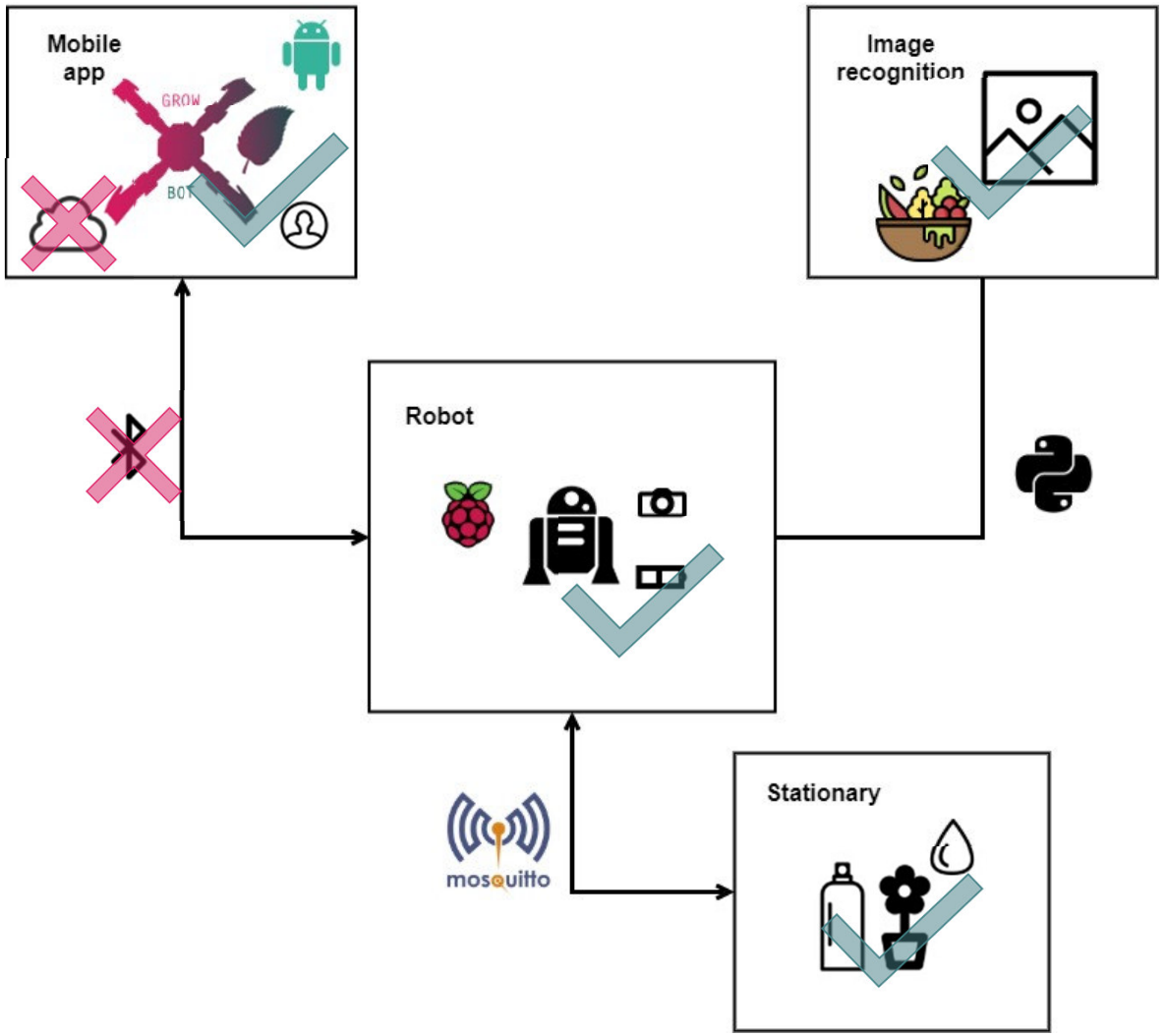
Sustainable

Resource saving

Local

Intelligent

SYSTEM ARCHITECTURE



TECH STACK

ARDUINO

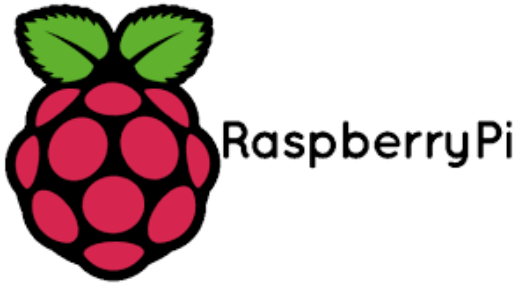
android

mosquitto™

python™

PyTorch

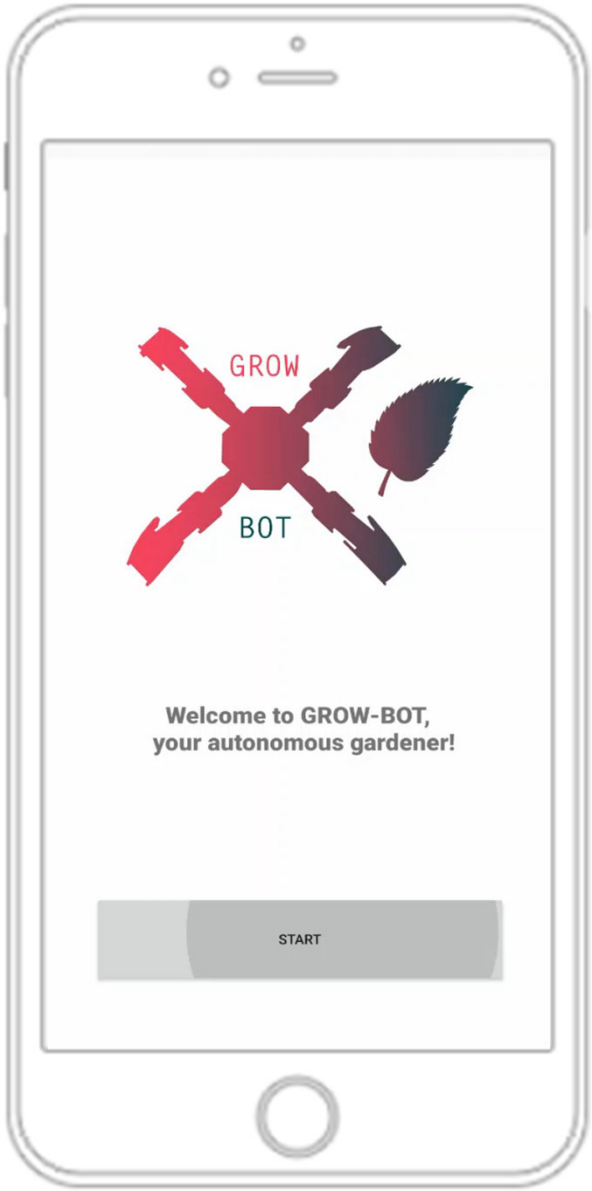
GitLab


RaspberryPi

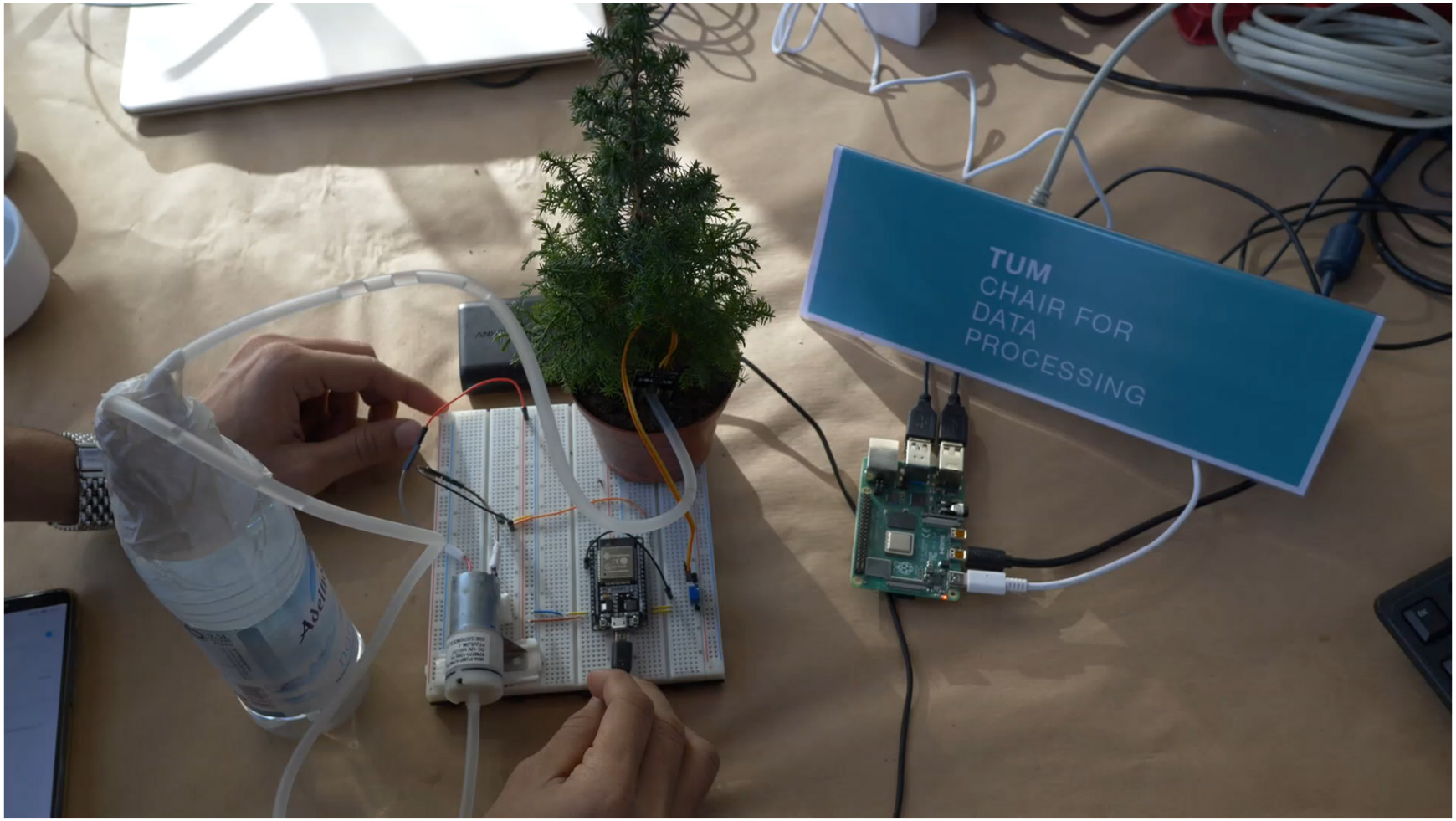
NVIDIA
CUDA

METABOT
ROBOTS IN MOTION

DEMO


GROW
BOT
Welcome to GROW-BOT,
your autonomous gardener!
START

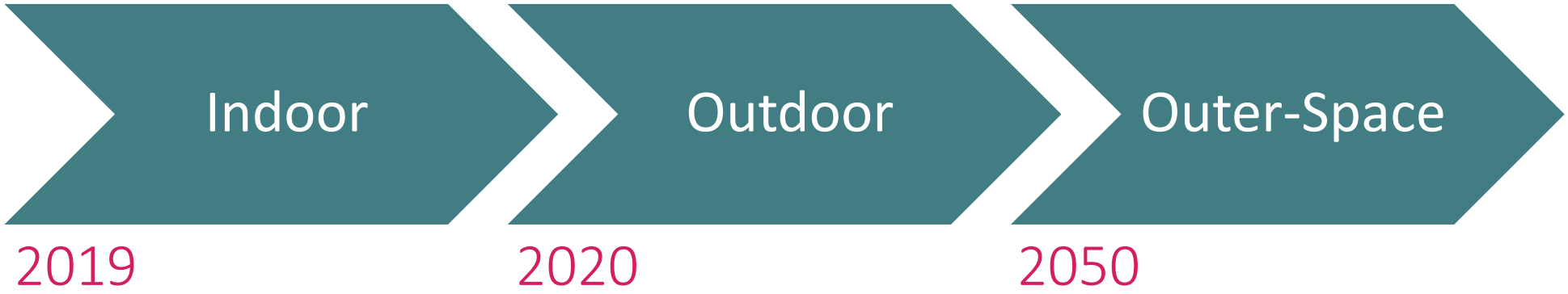
DEMO



DEMO

p(grapes) ≈ 25%

p(grapes) ≈ 70%

AND SOME STUFF DIDN‘T WORK AS PLANNED

THE FUTURE