

Welcome to The AMOS Demo Day!

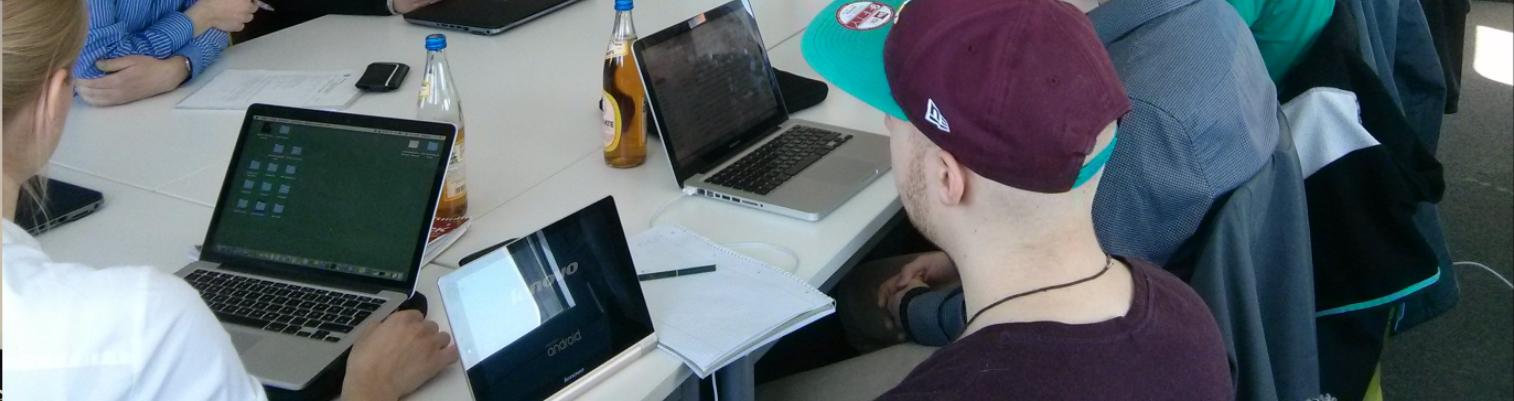
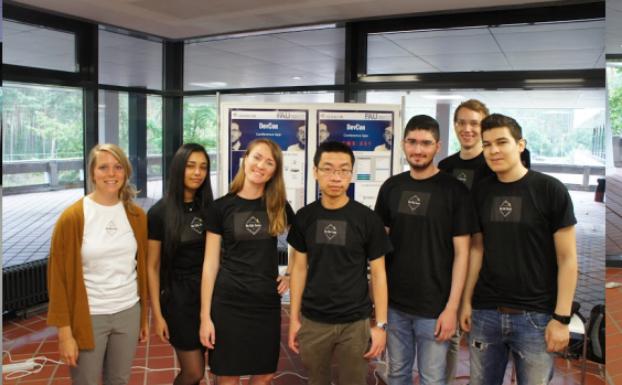
Prof. Dr. Dirk Riehle

AMOS H02

Licensed under [CC BY 4.0 International](#)

The Professorship for Open Source Software





Industry Partners and Teaching Projects



Audi
Vorsprung durch Technik



BOSCH

Continental



methodpark

NEWSTORE



SOLYP

SENACOR

SIEMENS

sivantos
the hearing company

software AG



Volkswagen

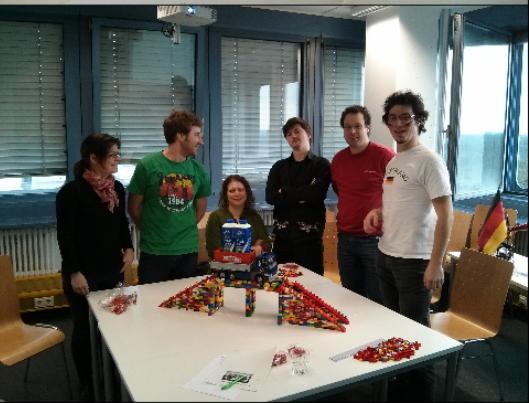
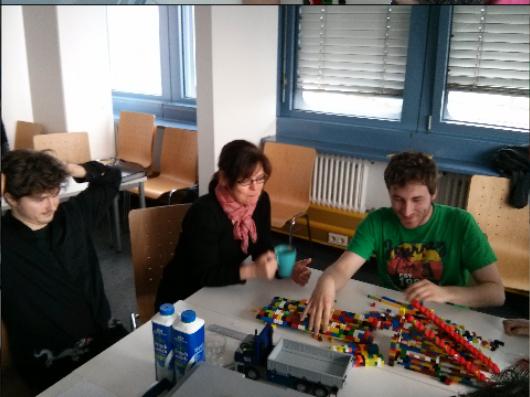
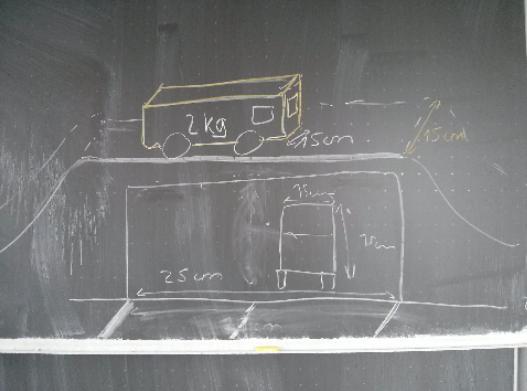
The AMOS Project

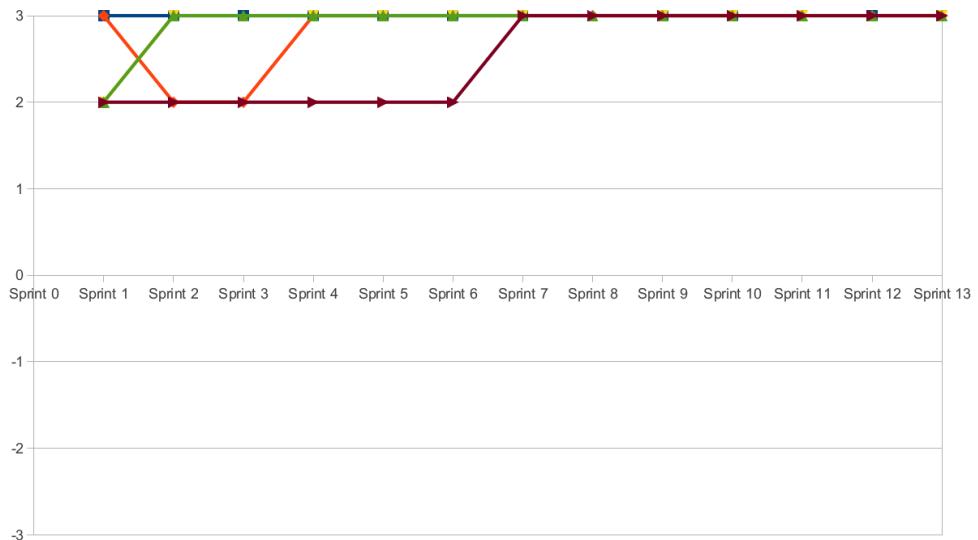
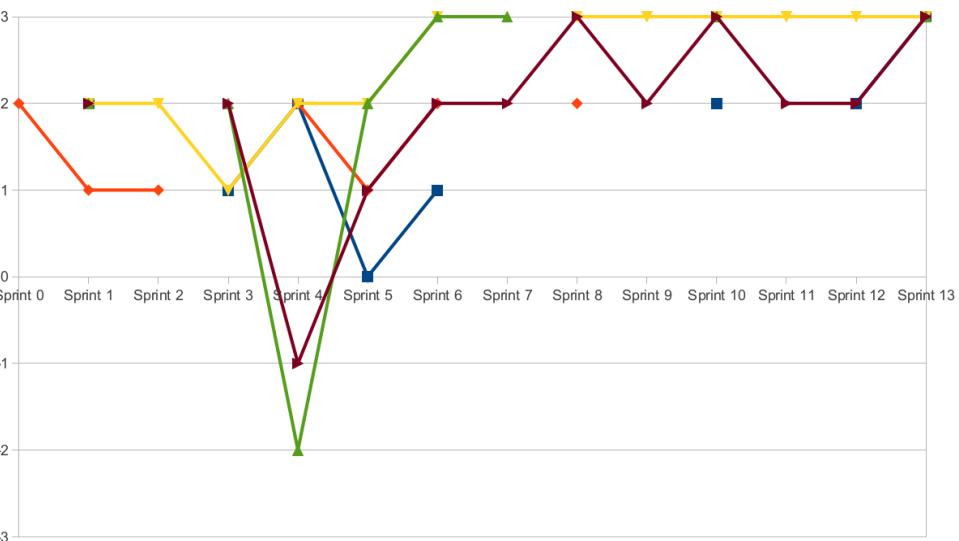
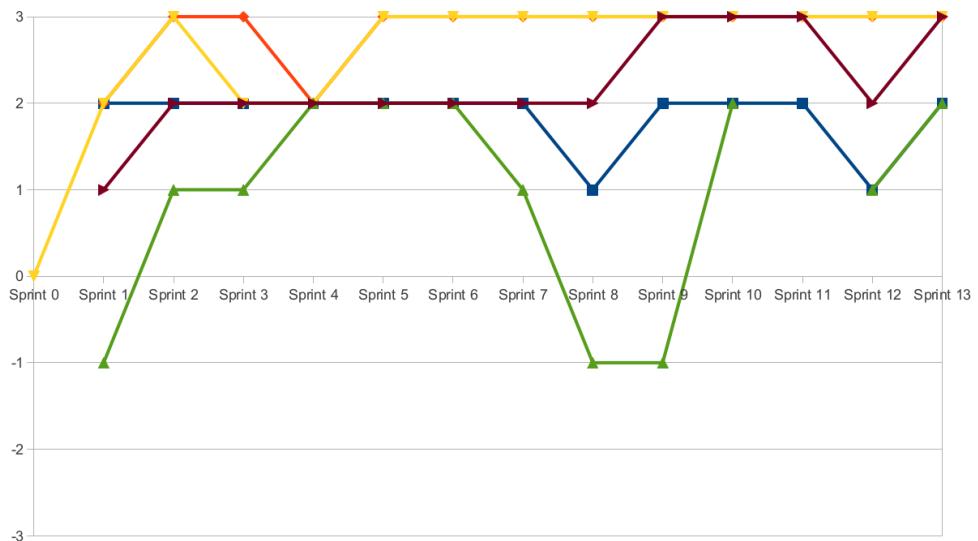
© 2021 Dirk Riehle - Some Rights Reserved

...

The Winter Semester 2021/22 AMOS Projects

1. Geo Data Search
2. Agile Transformation with Jira
3. Microsoft Teams to Nextcloud
4. Automatic Panelist Detection
5. Financial Product Portfolio Quick-Check
6. Explainable Similarity Detector
7. NFT Development







Project 1: Geo Data Search



Development

What we did

- “The Agile Planning Platforms helps JIRA teams to manage their requests and resources in a modern matrix organization”

Dinosaur
in Logo

Manage
your Team

Add Requests or show
closed requests for
resources



The screenshot shows the Agile Planning Platform interface. At the top, there's a logo of a blue and green triangle followed by the text "Agile Planning Platform". Below the logo, there are three navigation tabs: "Personal Calendar" (which is selected), "Teams Calendar", and "Request Overview". A large "Hello!" message and a sub-message "This is your personal request calendar." follow. On the left sidebar, under "MEMBERS", there are links for "Manage Teams" and "Add Team Members". Under "REQUESTS", there are links for "Create Request" and "Closed Requests". The main area features a calendar for the year 2022, with months February through June. Several blue bars represent requests: "Frontend task" in April, "Marketing Team Requested" in May, "Third Request" in May, "My second request" in May, and "My First Request" in June.



Overview about
resource allocation
for you, your team
or custom



Calendar with
allocated requests
to keep you on top



TMS2NC



The idea

Offer an alternative to the use of Microsoft SharePoint inside of Microsoft Teams for file management and file sharing

The solution

Connect Nextcloud with Microsoft Teams

The product

- Support basic file management functionalities (upload, download, delete, rename, etc.)
- Synchronization between the app and Nextcloud – modifying the files from inside of the app also modifies them in Nextcloud
- Look as similar as possible to the default Microsoft Teams product design- and functionality-wise

Name	Last Modified
AMOS rocks	December 7, 2021
DemoDay	December 8, 2021
Important Documents	December 7, 2021
Mom I made it	December 7, 2021
Photos	December 6, 2021
TMS2NC	December 9, 2021
Templates	December 6, 2021
Datenportabilität.doc	January 20, 2022
Datenportabilität.docx	January 20, 2022
Datenportabilität.pdf	January 20, 2022
Readme.md	December 9, 2021
Seminar.svg	December 6, 2021
Seminar.txt	December 9, 2021
delete-button.svg	December 6, 2021

MEKTEC

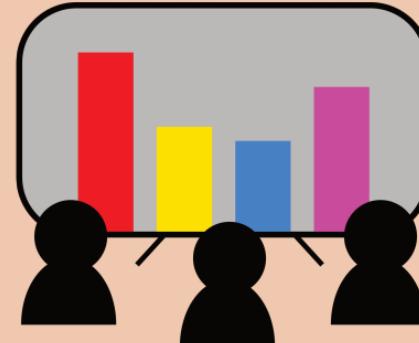
Nextcloud



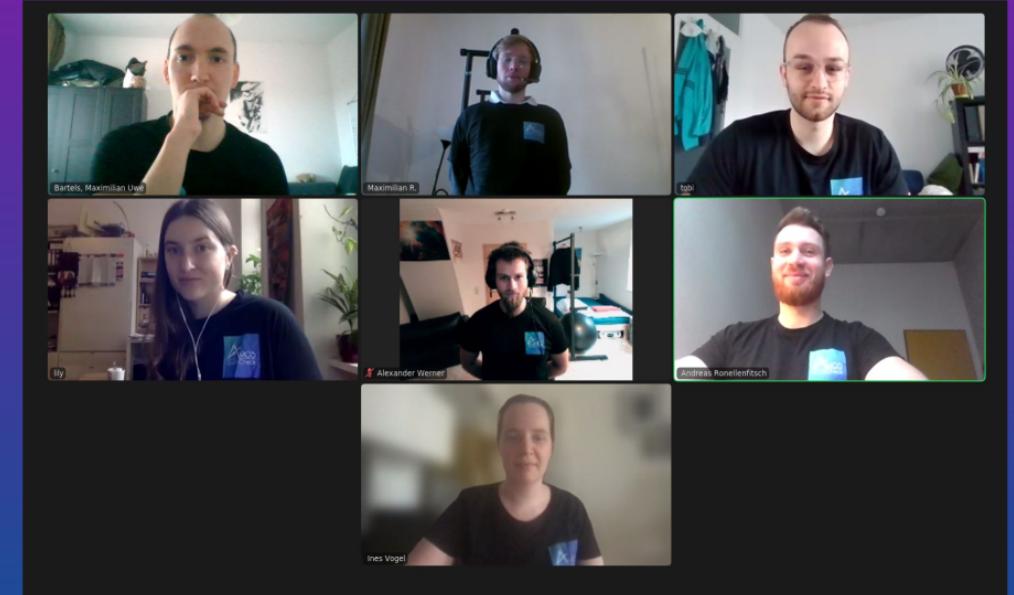
What we do

The goal of this project is to create a cheap yet efficient device to optimize television audience measurement. This will be achieved by automatically detecting and recognizing panelists using pre-trained computer vision models and an RGB and infrared camera.

Automatic Panelist Detection



Team 5 - Quick-Check



Explainable Similarity Detector

What was the overall Vision of our Project?

The Explainable Similarity Detector should give all developers who work with electronic components a **noticeable simplification in everyday work**. Through the use of machine learning and an easily understandable surface, the time-consuming search for suitable components should be faster, more convenient and clearer.

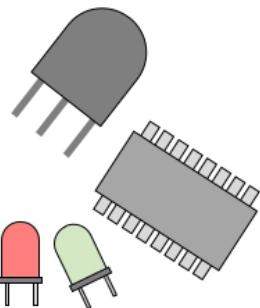
How do I benefit from this?

- no more tedious searching for documentation
- no more extensive comparisons of properties
- opportunity to give direct feedback
- possibility to specify similar components
- possibility to specify completely new components



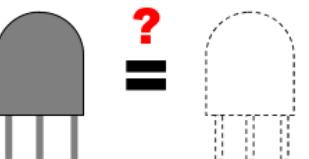
AMOS-Group 6

Why is this important?



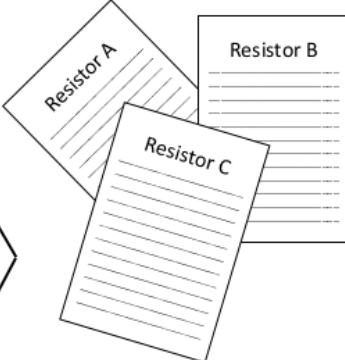
Sometimes components in a project need to be replaced because they are:

- At the End of service
- Don't meet the demand
- etc



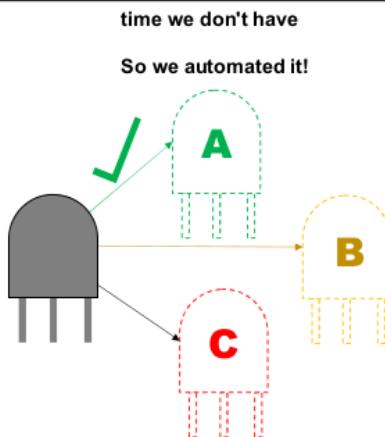
But finding a suitable replacement can be a hassle

Sometimes it is not clear whether two components are similar



And dozens of documents have to be compared...

a time-consuming task...



With an easy-to-use program to always find the best fitting parts



NFT The world!

An open source marketplace platform that can be used to sell and buy NFTs.

Our solution allows small, medium sized companies and enthusiasts to easily deploy their own NFT platform for non- or commercial purposes.

The screenshot displays the NFT The world! platform. At the top, a banner reads "Welcome to NET The world!" with the subtitle "Breathtaking NFT shopping lounge. Own your virtual map area from Nuremberg and Riga!". Below this is a "Sign Up" button. The main content area features a "NFT Drops" section with tabs for "Next", "New", "Hot", and "Sold". It shows three NFT drops: "Nürnberg" (by AMOS-NFT-Team - today, 11:11:15), "Riga" (by AMOS-NFT-Team - 12th Dec 2021, 12:34:01), and "Adorsians" (by Adorsys - 10th Dec 2021, 20:00:02). Each drop has a preview image, a description, a bidding section, and a "Learn more" button. To the right of the drops is an "Announcements" section with "New drops soon" (07.02.2022), "NFT world announces" (03.02.2022), and "Popular drops this week" (05.02.2022). Further down is a "The piece of the world" section with a purple map preview and a "Place order" button. On the far right, a user profile for "Encouraged Buyer" is shown with 9 items and a 3.6 equity rating. The footer includes a "Description" section and a link to the GitHub repository.



Berinike Tech



Christoph Ehmendorfer



Dominic Paul Christian Heil



Que Le



Felix Steinkohl



Jule van de Logt



Jannis Max Pilgrim



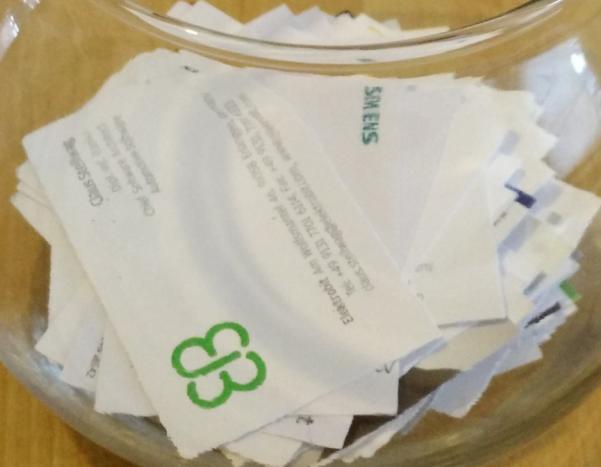
Nick Stender



Nikita Naumov

Demo Day Schedule

DEMO DAY SCHEDULE					
Registration	https://forms.gle/DuZcSX6CAKJaVHKF9				
Time	Duration	Responsible	Title	Room	
10:15	10 min	Riehle	Introduction	Main room	
10:25	10 min	Teams	One slide summ	Main room	
10:35	20 min	Teams	Demo	Demo rooms	
10:55	20 min	Teams	Demo	Demo rooms	
11:15	20 min	Teams	Demo	Demo rooms	
11:35	20 min	Teams	Demo	Demo rooms	
11:55	20 min	Teams	Demo	Demo rooms	
12:15	5 min	Riehle	Conclusions	Main room	
Team #	Project	Demo room			
1	Geo Data Search	https://tu-berlin.zoom.us/j/61283961557?pwd=UjZFbUM5bHR3eENHQTvNVC9YNVF			
2	Agile Transformation with Jira	https://tu-berlin.zoom.us/j/5082624046?pwd=eFROQXBxeWd6QnpSSnl2ZVZ1TS81U			
3	Microsoft Teams to Nextcloud	https://tu-berlin.zoom.us/j/61033496686?pwd=U01laU50RTd2b2VLaDJBb0FTamF4d			
4	Automatic Panelist Detection	https://tu-berlin.zoom.us/j/69666222789?pwd=VVdvR05qeVZQYUQrU0MxUFNUaGp			
5	Financial Product Portfolio Quick-	https://tu-berlin.zoom.us/j/62735016571?pwd=ODgrM0lwVE9wdWRnSXByUUhmNk			
6	Explainable Similarity Detector	https://fau.zoom.us/j/65358072167?pwd=UFd4MFBAU5iT3AwdVIMdnVxbXZwUT09			
7	NFT Development	https://tu-berlin.zoom.us/j/66878064720?pwd=TWFaU1M2ZFpQd2pVMHFsanlYVTIs			
8	-	-			



Thank you! Questions?

dirk.riehle@fau.de – <https://oss.cs.fau.de>

dirk@riehle.org – <https://dirkriehle.com> – [@dirkriehle](https://twitter.com/@dirkriehle)

Legal Notices

- License
 - Licensed under the [CC BY 4.0 International license](#)
- Copyright
 - © 2010-2021 Dirk Riehle, some rights reserved