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# Progetti di ricerca

# Interessi di ricerca

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Gamification

Data  
Visualization e  
Infografiche

Location-  
based app

AR / Mixed  
reality

Biodiversità

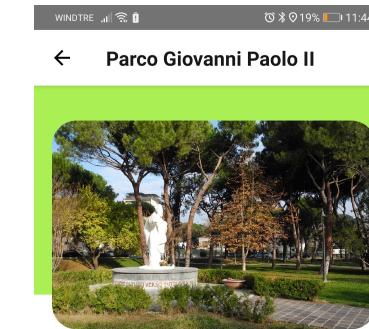
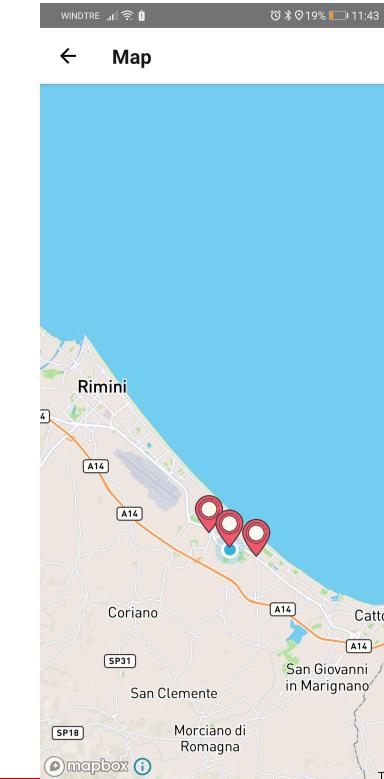
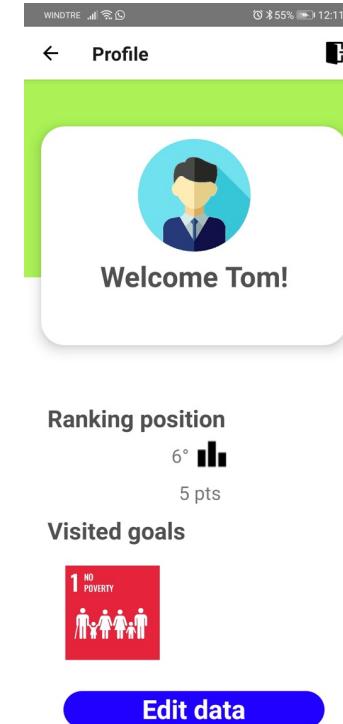
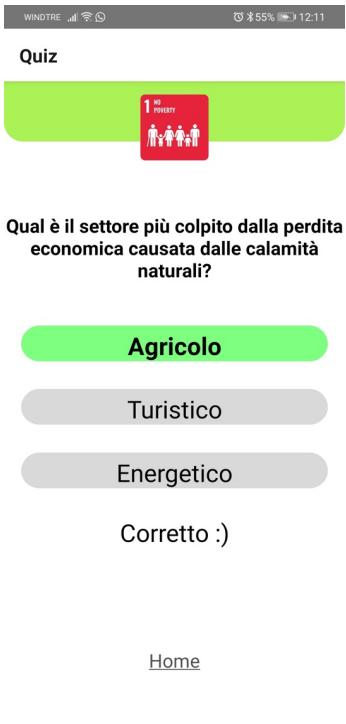
Sostenibilità

IoT / beacons

Machine  
learning

# Sostenibilità e AR

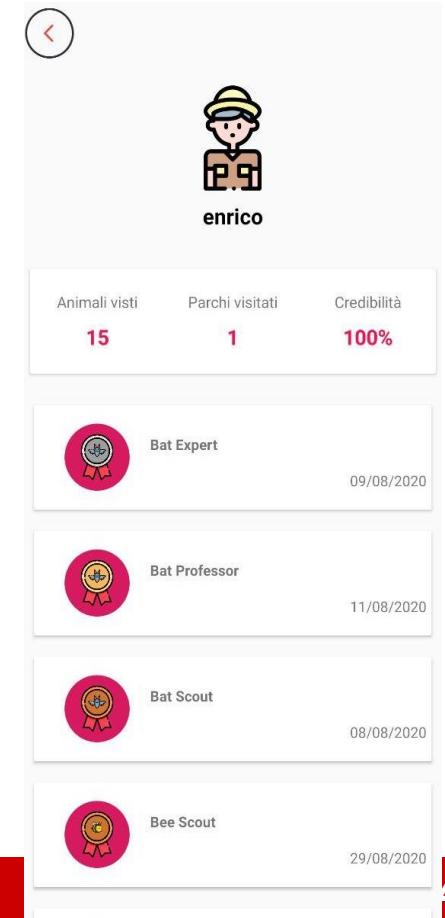
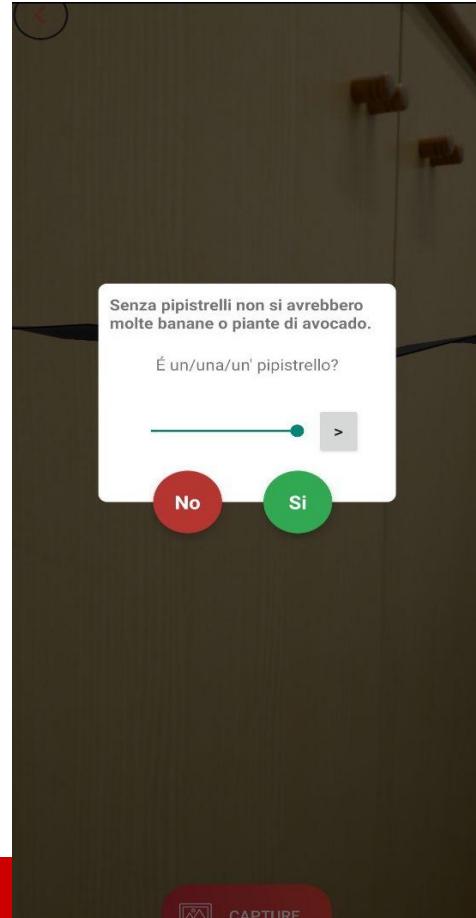
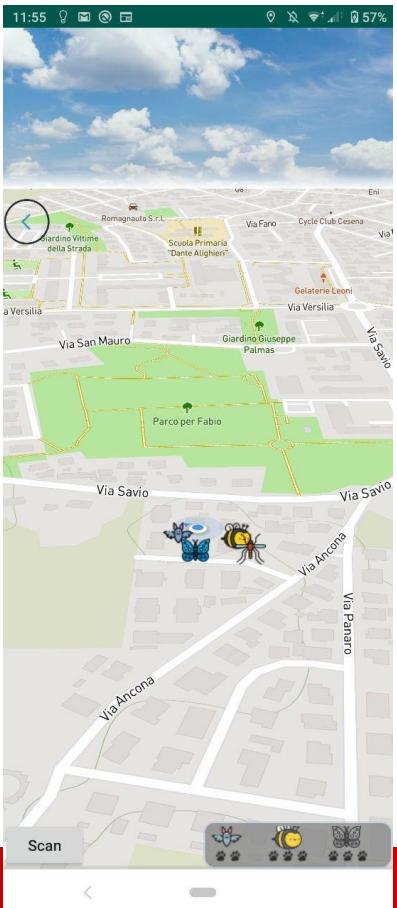
- Design e sviluppo di un'app mobile con AR per promuovere gli *Sustainable Development Goals (SDGs)*



**Description**  
Il piccolo parco, di proprietà comunale, è situato a uno dei capi di viale Ceccarini, a breve distanza dalla stazione ferroviaria. Riunisce gli spazi verdi di Villa Lodi Fè, un villino per vacanze dei primi del '900 a forma di chalet, e di altre residenze confinanti e conserva parte delle grandi alberature, in prevalenza semipreverdi, che crescevano nei rispettivi giardini ornamentali. Nella villa, oggi sede degli uffici di Riccione Teatro e della segreteria organizzativa del Premio Ilaria Alpi, si svolgono incontri, conferenze e...

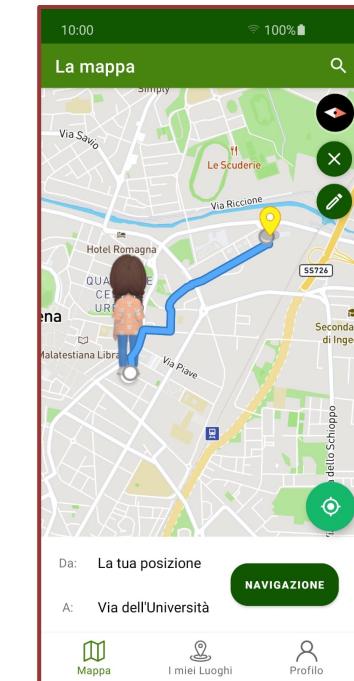
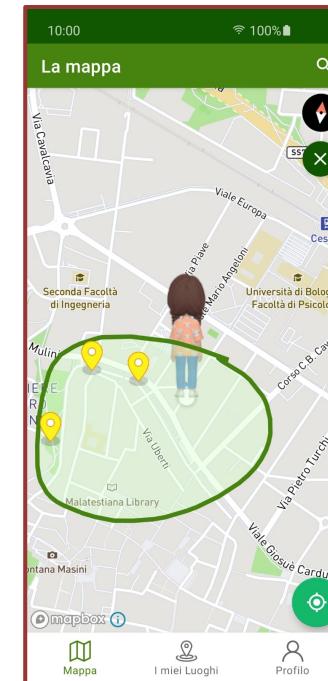
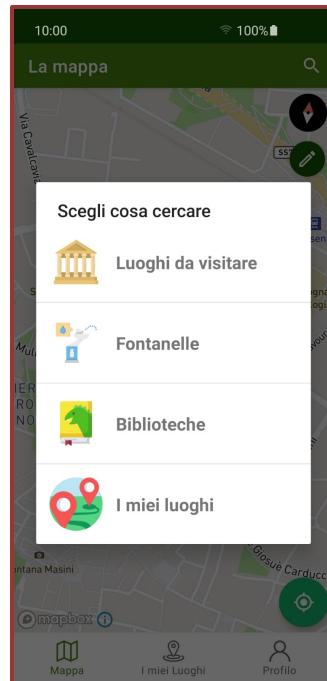
# Biodiversità e AR, AI, IOT

- AR, machine learning e IoT in un gioco per promuovere la biodiversità



# Wayfinding per bambini

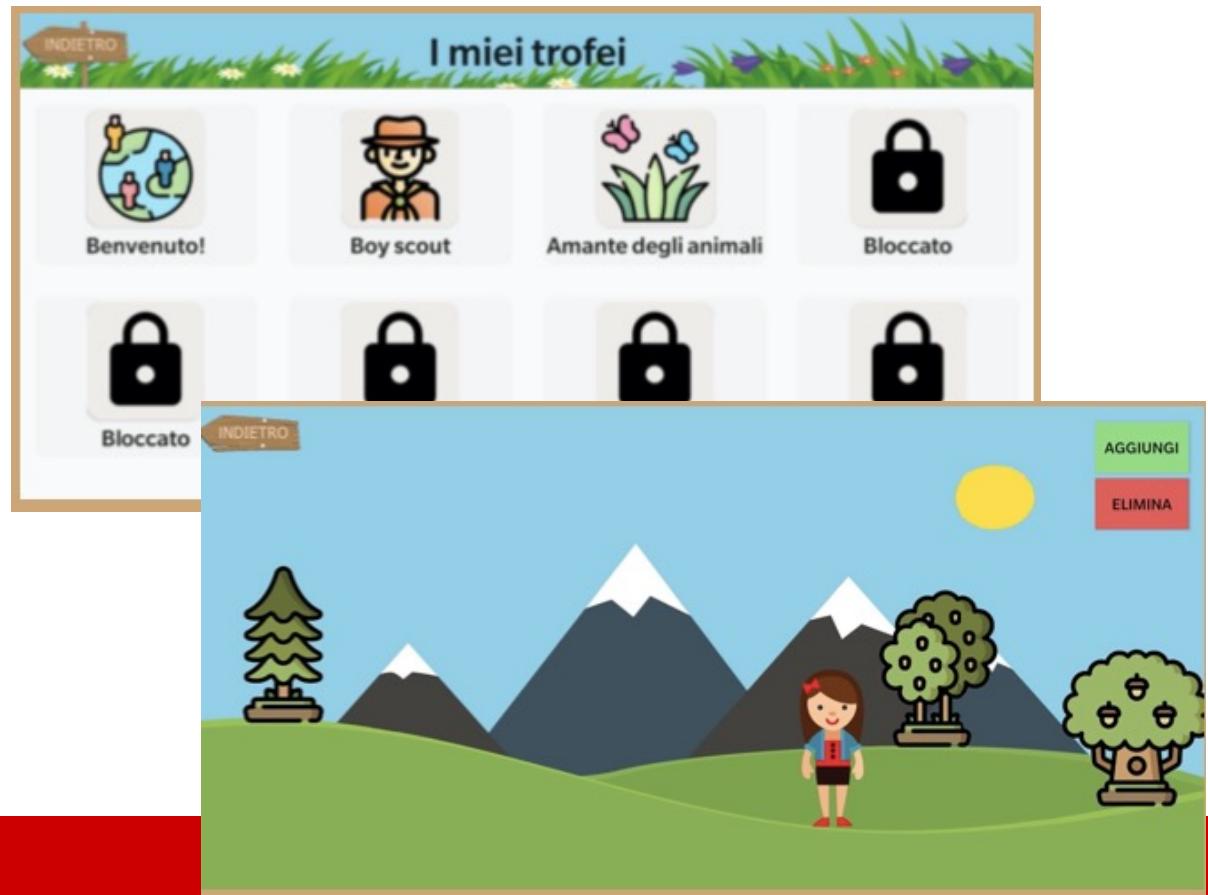
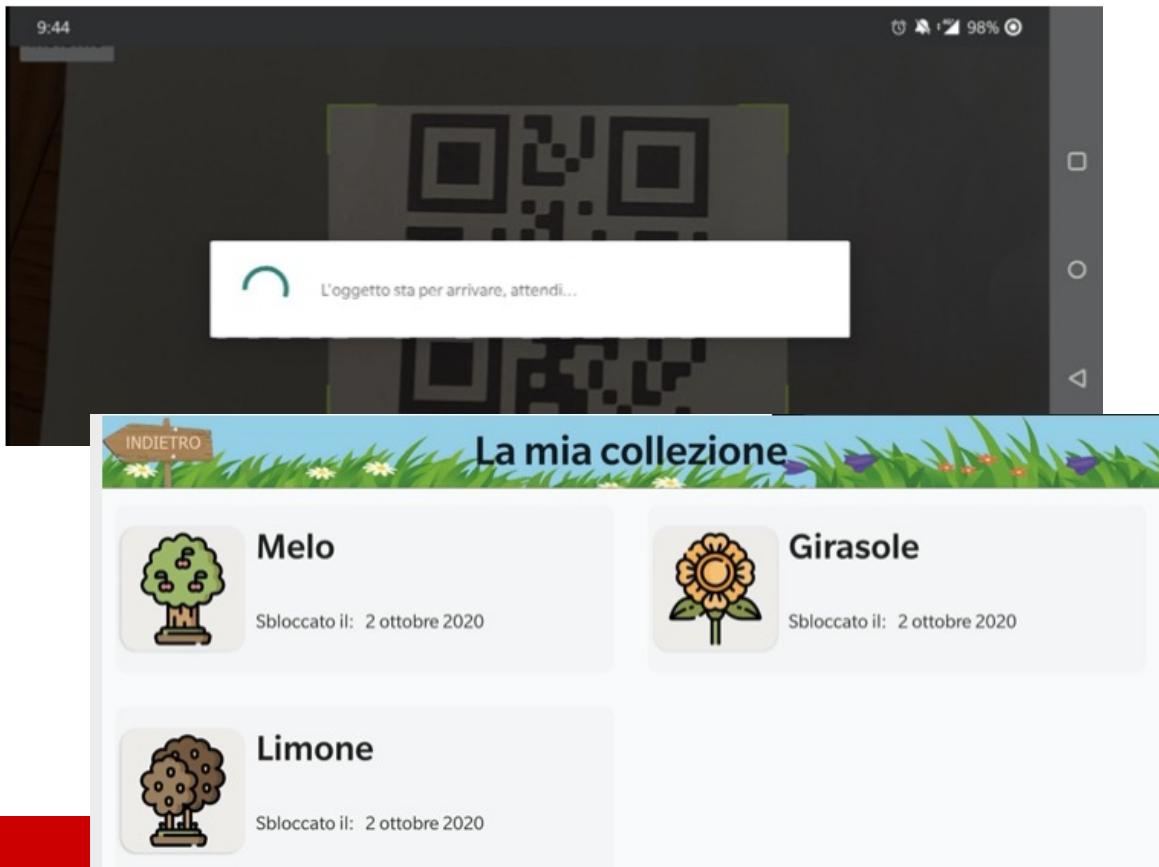
- PROGETTAZIONE E SVILUPPO DI UN SISTEMA LOCATION-BASED PER LA MOBILITÀ INDIPENDENTE DEI BAMBINI



Android  
Mapbox  
OpenStreetMap  
GraphHopper

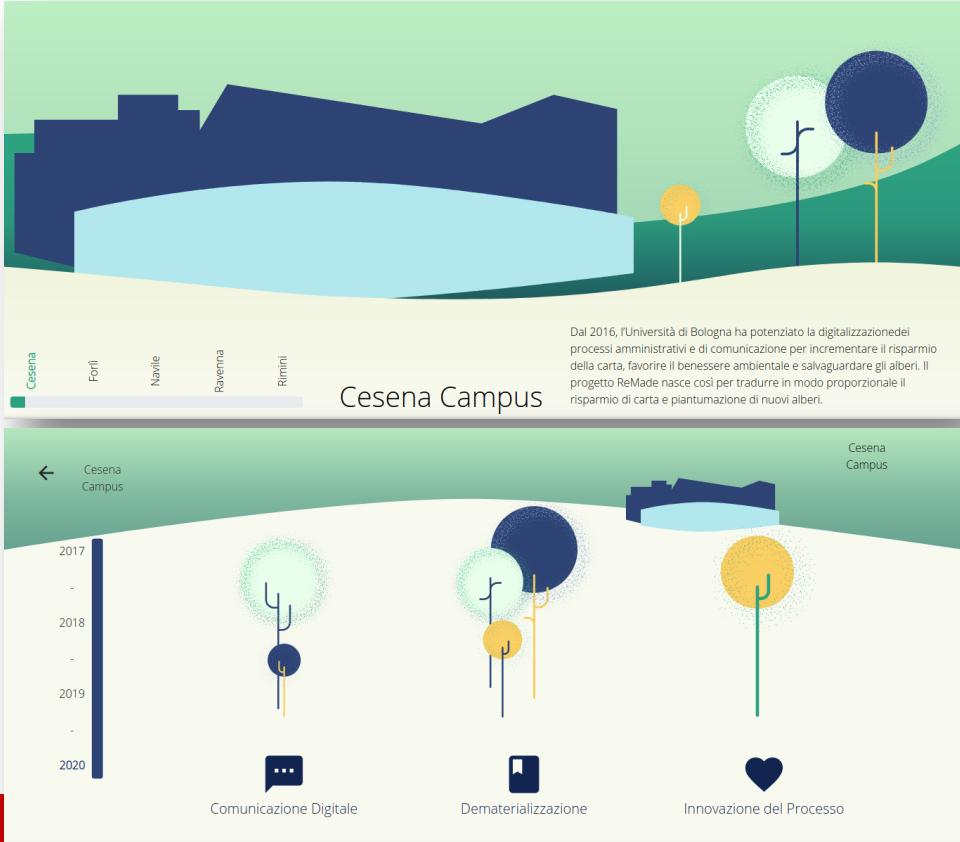
# Pervasive game per bambini

- Progettazione e sviluppo di un Pervasive Game per bambini in contest mobilità e sostenibilità



# Infografica per la sostenibilità

- SVILUPPO DI UN'INFOGRAFICA RESPONSIVE PER PROMUOVERE PROCESSI DI DEMATERIALIZZAZIONE



➤ React.js  
➤ Bootstrap

# Smart gardening

- SVILUPPO APP ANDROID PER SMART GARDENING CON RETI CONVOLUZIONALI E CROWDSOURCING

The screenshot displays the user interface of the *Eden Gardens* mobile application, which integrates social networking and smart gardening features.

**Top Bar:** Shows the app logo, user email (utente@utente.it), date (02/04/20, 13:04), and a search bar labeled "Cerca domanda".

**Left Column (Messaging):** Shows a conversation with another user about rose care. It includes a photo of red roses and a response button.

**Middle Column (Search):** Shows a search result for tulips, featuring a photo of tulips and a detailed text about their care.

**Central Column (Disease Analysis):** Shows a close-up photo of a plant leaf with a black bracket highlighting a specific area. Below it, the text reads: "La tua pianta è affetta da: **Acaro a due macchie**". A confidence level of "Il risultato è sicuro al 84.820297%" is shown, along with "CONTRIBUISCI" and "CORRETTO" / "SBAGLIATO" buttons.

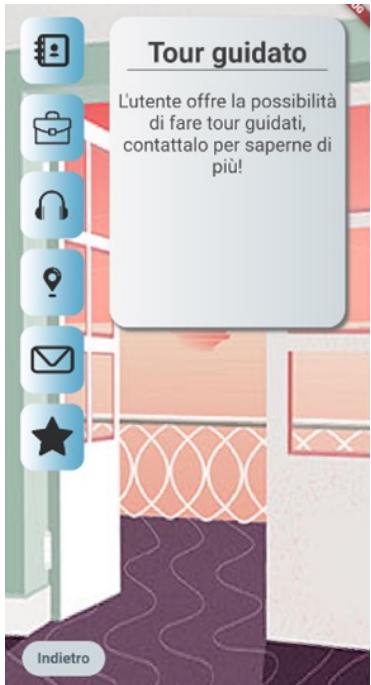
**Right Column (Valuation):** Shows a photo of cherry fruit with visible damage. The text below says "healthy". Buttons for "CORRETTO" and "SBAGLIATO" are present.

**Bottom Navigation:** Includes icons for Home, Profile, Photo, Search, and a central "Analisi" (Analysis) icon.

**Bottom Right (Details):** Shows a detailed view of a rose flower with a red "X" mark, indicating a flagged issue. Buttons for "RICARICA" (Reload) and "CONFERMA" (Confirm) are at the bottom.

# App per il tourism

- Applicazione mobile con immagini 360° per incentivare il turismo locale



Flutter  
Immagini 360°  
Giroscopio

# Maré

The image displays five screenshots of the Maré mobile application interface, illustrating its various features:

- Map Screen:** Shows a campus map with locations like "Biblioteca" and "SalaEstudo". It includes a legend for "Full", "Empty", and "No reports" status, and a "Reported Occupation" button.
- Room Occupancy Report:** Displays real-time occupancy data for "Biblioteca Informática II - Floor 0". It shows 19 people out of 44 reported, with buttons for "STUDY HERE" and "GIVE FEEDBACK".
- Leave your feedback:** A form for reporting room occupancy. It asks for "ROOM" (selected: Biblioteca), "TIME" (22:25), and "NUMBER OF PEOPLE" (About 12 people). A "SUBMIT" button is at the bottom.
- Find a room:** A step-by-step process: 1. Decide when (selected: 11:30), 2. Select the number of students (1 student), 3. Pick or find a room (selected: "Building Alameda - Informática II"). It lists "Biblioteca" and "SalaEstudo" with their expected occupancy levels.
- Bookings:** A summary screen showing a booking for "0-11 Tagus" on Wednesday, Feb 3, from 10:00 to 17:00, and another for "SalaEstudio Alameda" on Thursday, Feb 4, from 9:00 to 15:00. It includes "EDIT" and "DELETE" buttons.

# Navile

Cerca

**Edifici** Spazi

Ue4 - Edificio 4

Ue5 - Edificio 5

The map displays the university campus with various buildings labeled. Buildings Ue4 and Ue5 are highlighted in red. Other buildings shown include Ue1, Ue2, Ue3, and Ue6. The map also shows green areas for parks and a river. A circular icon with a location marker is present in the bottom right corner.

Torna alla tua posizione

ALMAMAP - NAVILE

Navigazione in corso...

Usa il tasto in alto a sinistra per terminare.

Indicazioni per Sala Riunioni 3

Piano Terra

Legenda

- VOI SIETE QUI  
You are here
- Aule  
Classrooms
- Bagni  
Toilette
- Servizi  
Services

The detailed floor plan shows a large rectangular room with several smaller rooms and offices. A circular icon with a location marker is placed in the center of the main room. The floor plan is color-coded with purple, red, and teal sections. A circular logo for "ALMA MATER STUDIORUM" is visible in the bottom right corner of the floor plan area.

ALMAMAP - NAVILE

# Cosa hanno in comune questi esempi?

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## HUMAN-COMPUTER INTERACTION

Come progettare e validare, con metodologie HCI, soluzioni tecnologiche che permettano di aumentare la consapevolezza ed il coinvolgimento dei cittadini e delle comunità rispetto a tematiche di interesse

# Progetti disponibili

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- Nella mia pagina, potete trovare una sezione riservata alla tesi

<https://www.unibo.it/sitoweb/catia.prandi2/didattica?tab=tesi>

- Nella tab «Tesi proposte» trovate la lista (più o meno aggiornata) dei progetti disponibili per tirocini e tesi

