

Faceless People Recognition



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Faceless People Recognition

We have all heard about how face recognition is the hottest newest trend people are trying to solve, but what if we could engineer a simpler solution? Using a router (or Raspberry Pi in this case), we can scan the mac-addresses being publicized by mobile phones. By mapping one address to a person we have an effective identifier, using ping we can also measure the distance between the user and the router.



On top of this, once we are done with identification, we will build some cool applications for domotics and home automation. For instance to welcome you in the room with personalized greetings, to change the lights in the room to your liking, to play your favorite song, the possibilities are endless!*

The goal of this project is to create a user identifier using WIFI scanning with a focus on learning more about networks and privacy. If we develop it fast enough and have time for more then we will apply some cool domotic apps on top of it.

The project will include

- Interfacing with network cards
- Parsing user based on WIFI (main goal is without being connected to the network)
- Writing an app handling users (probably in Python, negotiable!)

Sounds interesting? Do you want to tweak the scope with your own ideas?

Get in touch with us for a discussion!

*possibilities may or may not be endless

Next Step?

To secure that the project is yours please send a mail or call me (Gabriel Ibanez), I will be willing to share with you further details including booking a first meeting with your project supervisor:



You are most welcome to join us at **Cybercom Lindholmen (Lindholmspiren 3A, 417 56 Göteborg)** on Monday the 23th October at 17:00. We will show you then how we work, run a demo of our current ongoing-projects and let you meet the rest of the Innovation Zone's team so that you can feel at home from day one.

There will be pizza and opportunity to meet your project supervisor to discuss further about your project. Welcome!



**Monday
23th October**

IZ demo + 

KI 17:00

Lindholmspiren 3 vån 5
417 56 Göteborg

**Gabriel Ibanez:
+46 722 388 479**

CYBERCOM GROUP

The graphic features a man in a blue suit standing behind a dark table. On the table are a glass of dark liquid, a napkin, a smartphone, and a black helmet. The background is a solid reddish-pink color.

Short about this document and Innovation at Cybercom

In the several PDFs with ideas presented by Cybercom you will find several possibilities for thesis and practice at Cybercom Göteborg.

Since Cybercom is an innovative IT consulting company we have a wide range of clients in different sectors and that means we are always willing to explore new technologies in a large variety of different domains such as Telecom, Automotive, IoT, Machine Learning, Virtual & Augmented Reality, Cloud and Big Data, just to name a few.

The collection of ideas that we present to you intend to reflect that diversity, we at Cybercom hope that you can find them inspiring. May your idea for project not be among our proposals? Let us hear about it, we will always welcome your own ideas and proactivity.

More about Cybercom: <https://www.youtube.com/watch?v=IRQxzbB5gsE&feature=youtu.be>

Innovation Zone's blog:

<https://www.cybercom.com/innovation-zone/blogs-innovation-zone/innovation-zone-blog/>



A sample of theses and practices that were supported by Cybercom

Below you can find some examples of thesis and practice handled at Cybercom in the past few years, they might be inspiring. Follow the QR codes to read further details about the them.

