

Beyond iOS Camera

Stuff you might already know, but put into context...

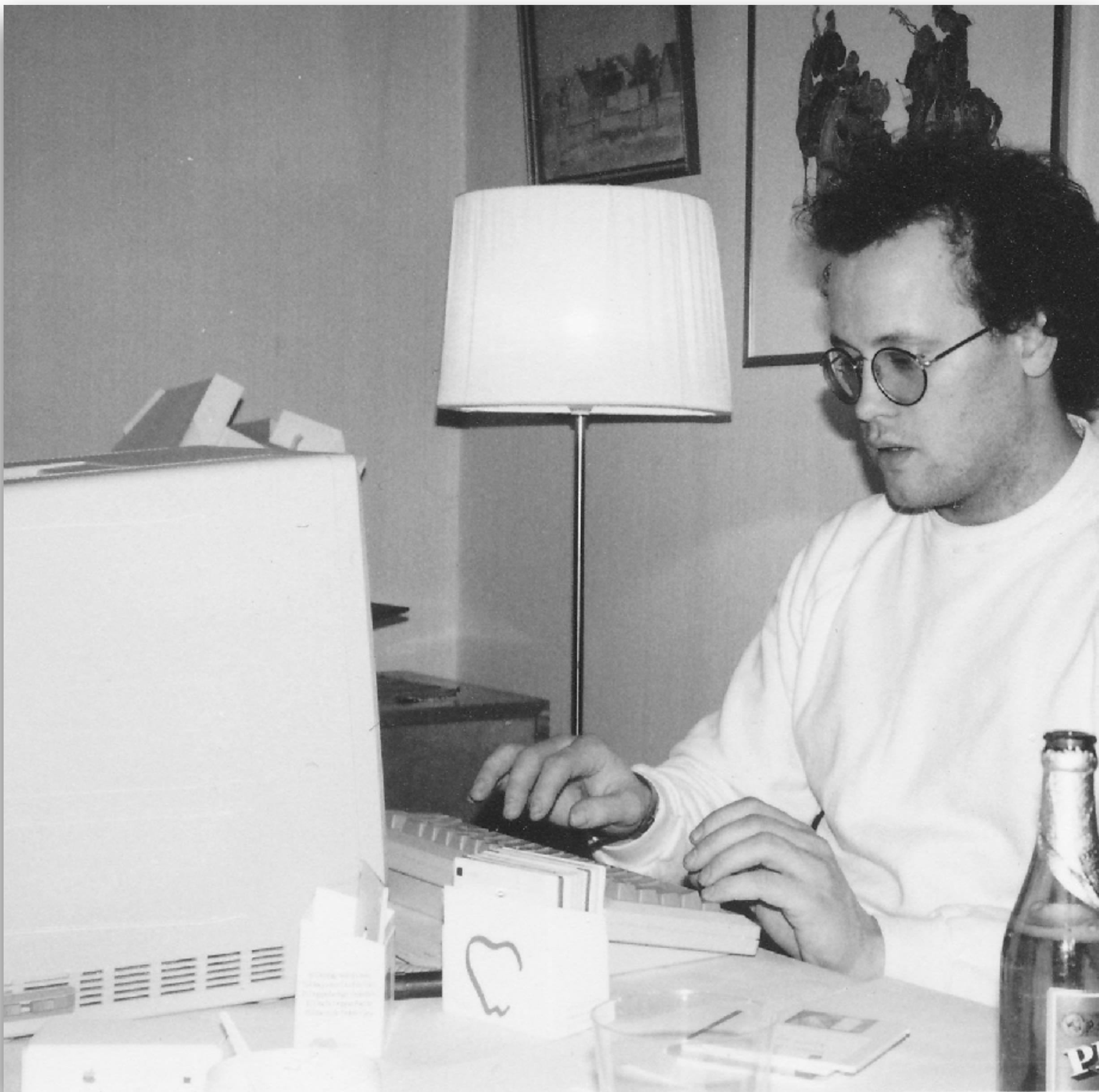
About me

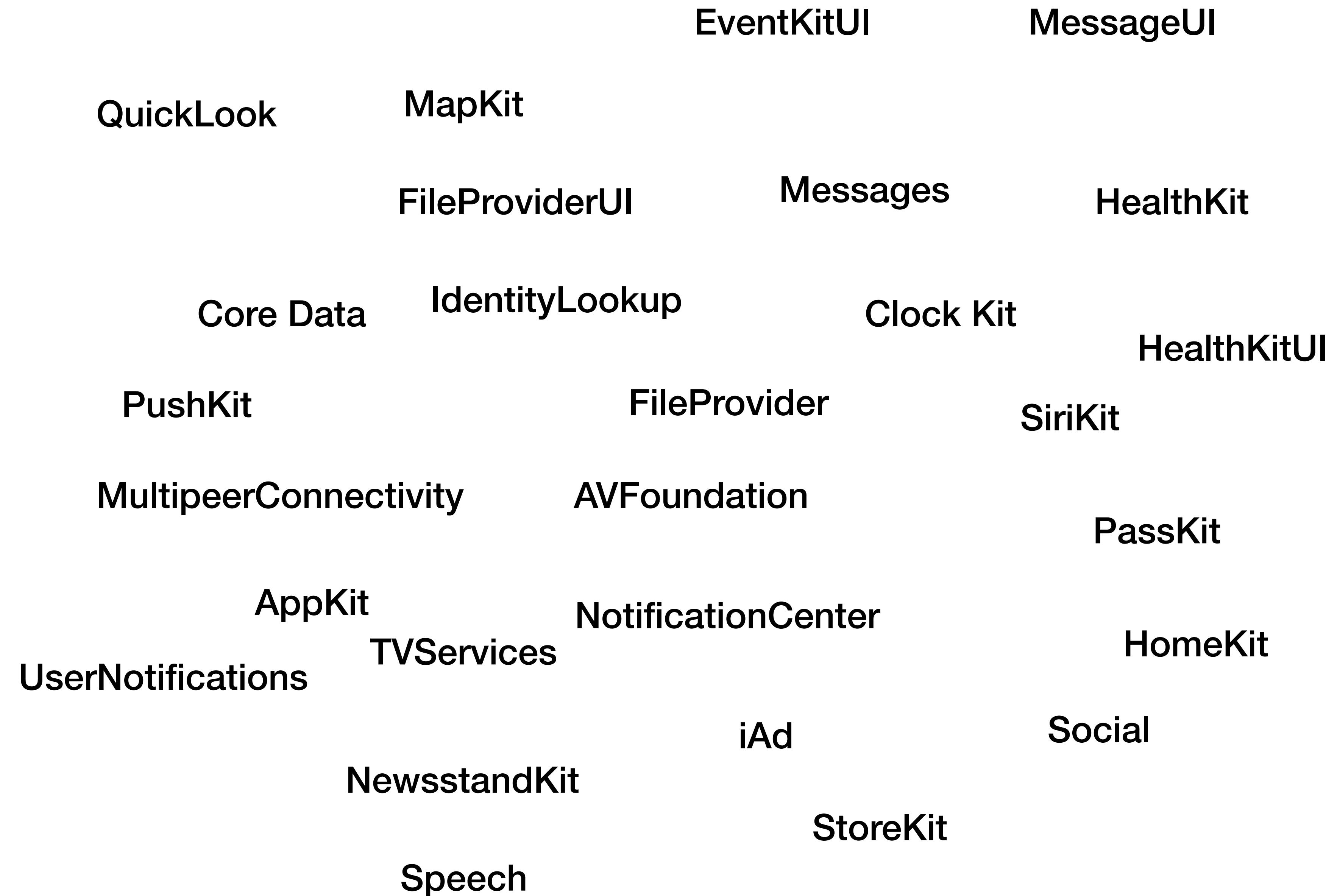
Anders Ulfheden
anders@ulfheden.se

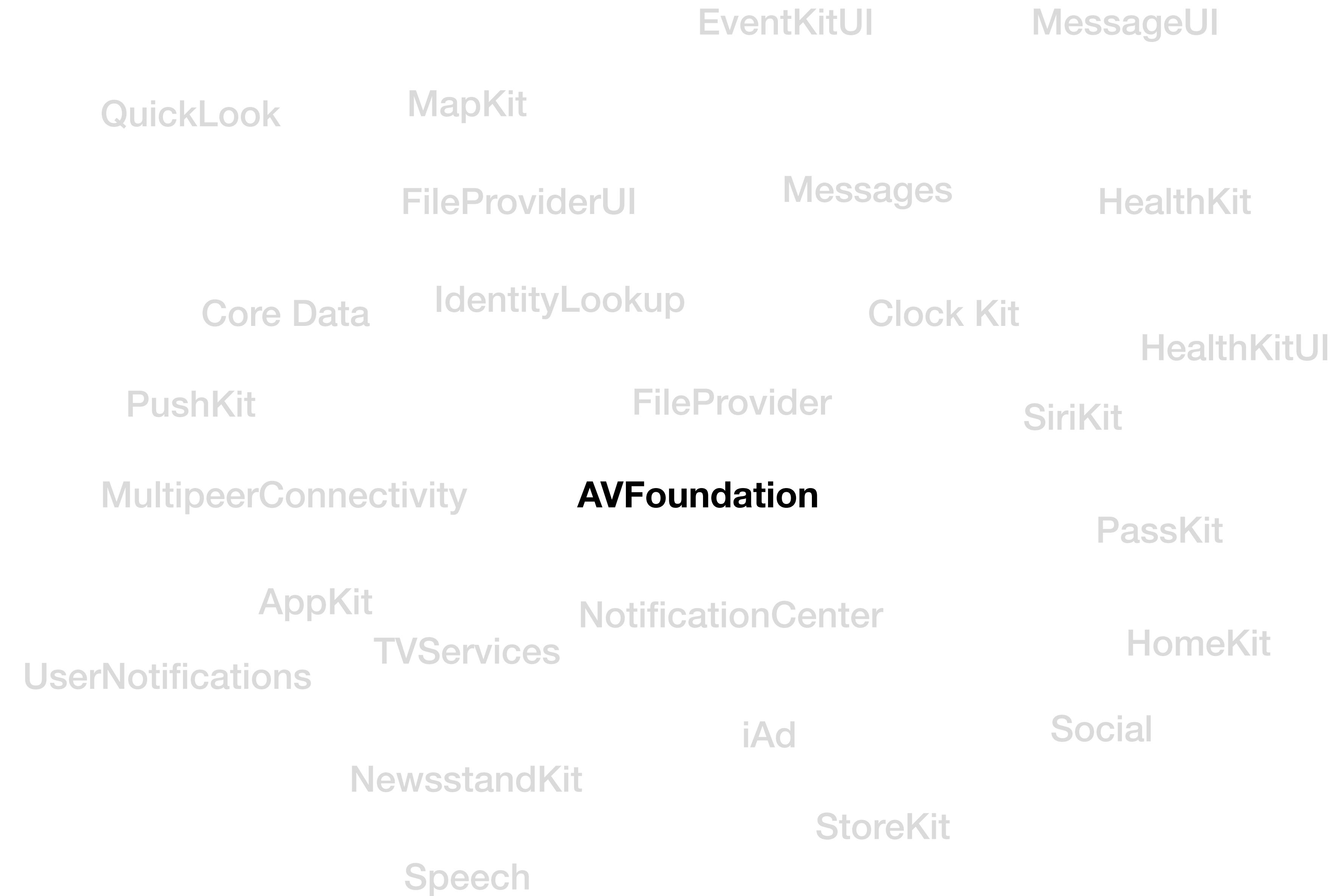
Programming for the
last 35 years:

Tops-10/20, Unix,
Apple Lisa,
Macintosh. MacOS,
Rhapsody, Mac OS X,
iOS

Simula, Pascal,
Fortran, Lisp, C/C++,
Objective-C, Swift







AVFoundation

Your Swiss Army Knife

A good friend of mine...

A good friend of mine...

- Does inventory of bears, wolves and other wild animals here in Sweden.
- They track some animals by GPS collars to see how they move, figuring out their territory.
- Many of them lives in the same flock (wolves) for a long time.
- The small flocks and relatively small movements affects the inbreeding (mating between siblings or relatives).

A good friend of mine...



A good friend of mine...

- To track inbreeding, they gather samples of droppings found and send them for DNA analysis, filling in a paper containing:
 - Date and place, perhaps a map.
 - A sample of the dropping in a test tube labeled with a bar code.
 - GPS-coordinates where the sample was found.
 - Name and address of the person collecting the sample.

Sheets provided with all samples

FÖLJESEDEL

Var god TEXTA. Prover som skickas in utan komplett ifyllt följesedel måste tyvärr kasseras.

.....
2015-10-17
.....
Spillningsprov insamlat den (år-mån-dag)
.....
Göran Olson
.....
Provtagare (namn)

.....
Ange
.....
Kommun
.....
070 - 3754416
.....
Telefon

Ange spillningens plats:
X-koordinat *62°38'17"* Y-koordinat *15°41'950* Koordinatsystem.....
.....
Närmaste platsangivelse som kan återfinnas på karta: *SÖRÅSEN*.....

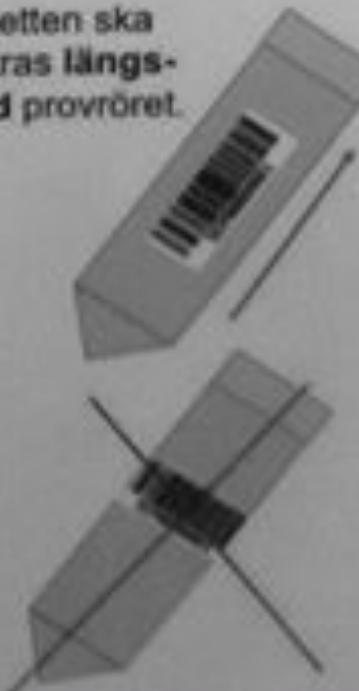
Karta med platsen markerad bifogas Ja Nej

Tack för din hjälp med
inventering av björn i Sverige!

**Klistra en streckkodsetikett på
rören och den andra här:**

Klistras på blankett!
Art:
Id: SEP0044706

Etiketten ska
klistras längs-
med provrören.



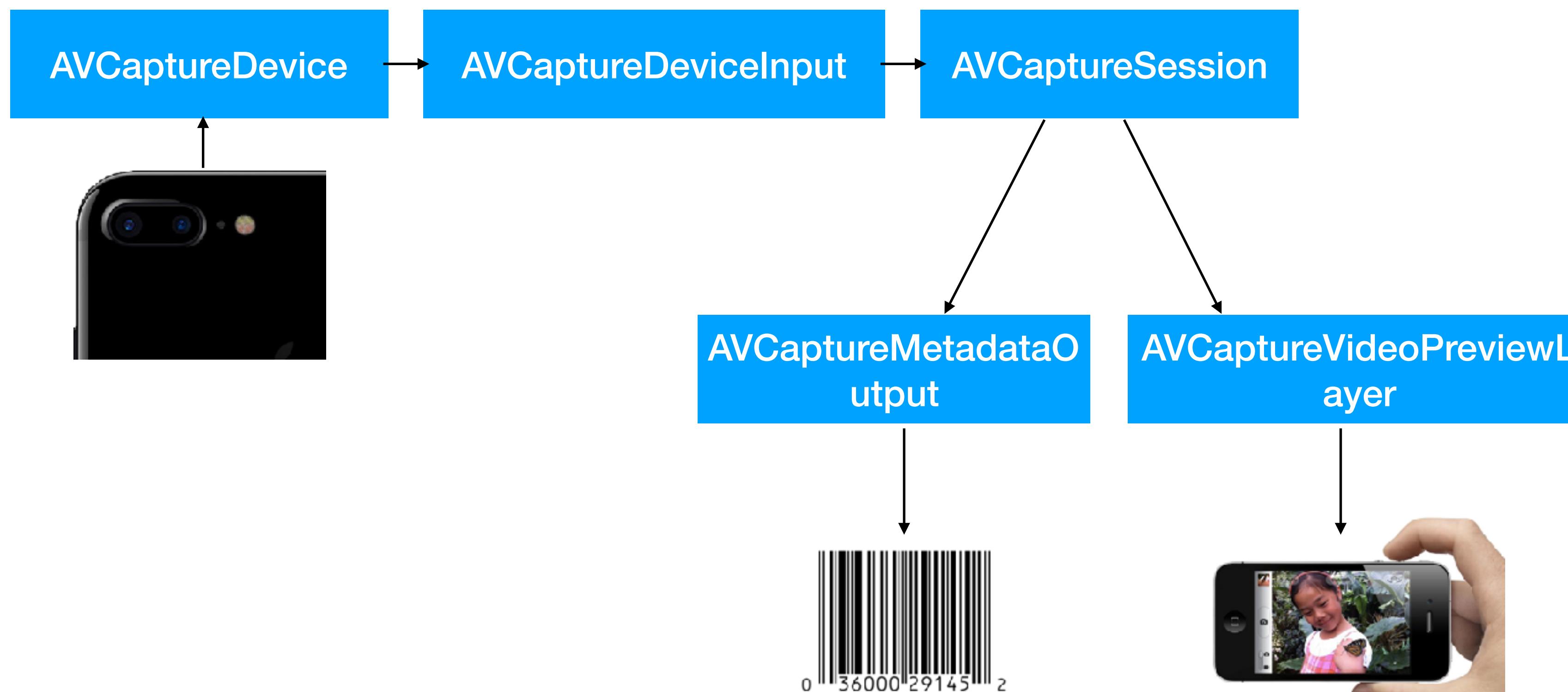
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But AVFoundation can do parts of this!



But AVFoundation can do parts of this!





Demo BearDropping

Live Coding

Simple Barcode Scanner

So, what's next?

Q&A

Tnx!

Anders Ulfheden

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