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What I'm going to talk
about today

Three things <3

Three things

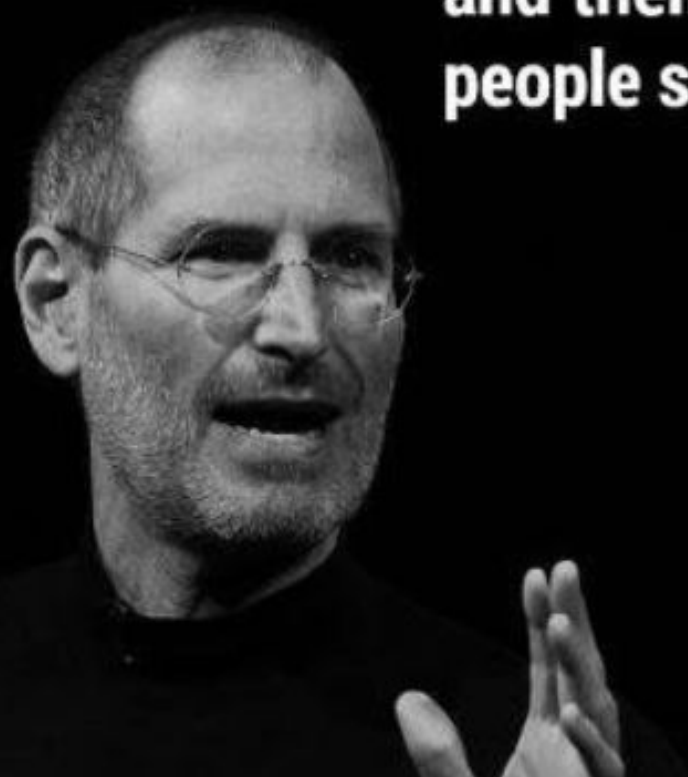
- **A Problem Solving Philosophy**
- **ML - Things you should know by heart**
- BREAK
- **Behavioral cloning for lane-following**
- $Q + A$
- **Plus: Miscellaneous useful stuff**

A Problem Solving Philosophy

- 45 minutes only
- They're so obvious to everyone but a lot of people don't really keep them in mind when solving problems
- **Includes throttle adjusting methods and path-planning with CODE**

It doesn't make sense to hire smart people and then tell them what to do; we hire smart people so they can tell us what to do.

Steve Jobs



Something obvious?

"The question of whether a computer can think ***is no more interesting*** than the question of whether a submarine can swim." - Edsger W. Dijkstra

ML - What you should know by heart

- 45 minutes
- Useful to tweak parameters!
- Very basic, WILL ALWAYS COME UP
- Focus on practical, not theory or math
- **LAYER VISUALIZATION**

Behavioral Cloning for Lane Following

- About 50 minutes
- With example code
- NETWORK ARCHITECTURE
- IMAGE PREPROCESSING
- DATA SELECTION
- Techniques and tips

Two Case Studies (Research Papers)

1. By: Georgia Tech AutoRally
2. By: NVIDIA

In the context of your specific needs

Behavioral cloning for Lane following

- Basic tips on how to improve your models ability to work
- Simple things you can do to increase performance
- (Ex: given specs of your processor)

Three things

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- **Behavioral cloning for lane-following**
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- **Plus: Miscellaneous useful stuff**

OK, LET'S START <3