



UNIVERSITÀ DEGLI STUDI DI MILANO

FACOLTÀ DI SCIENZE E TECNOLOGIE

Bootstrap Day

Start off on the right foot!

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DEPARTMENT	COURSE	DESCRIPTION	PREREQS
COMPUTER SCIENCE	CPSC 432	INTERMEDIATE COMPILER DESIGN, WITH A FOCUS ON DEPENDENCY RESOLUTION.	CPSC 432



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Welcome in Statale!

A presentation of our University and
Informatics





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Welcome in Statale!



What's in a University?

- A community of learning people, by studying



Università
degli Studi
di Milano



Facoltà
di Scienze
e Tecnologie



Dipartimento
di Informatica

TEACHING

RESEARCH

“THIRD
MISSION”

Important sources

- Ufficio per la didattica
 - via Celoria 18
- Timetable: <http://easystaff.divsi.unimi.it/PortaleStudenti/>
- Web
 - <http://www.di.unimi.it>
 - <https://www.unimi.it/it/corsi/facolta-e-scuole/scienze-e-tecnologie/scienze-e-tecnologie-informatiche>
 - <https://maginf.di.unimi.it/> (Study plan helper)

University sites

- Via Celoria 18: Faculty and Teaching rooms



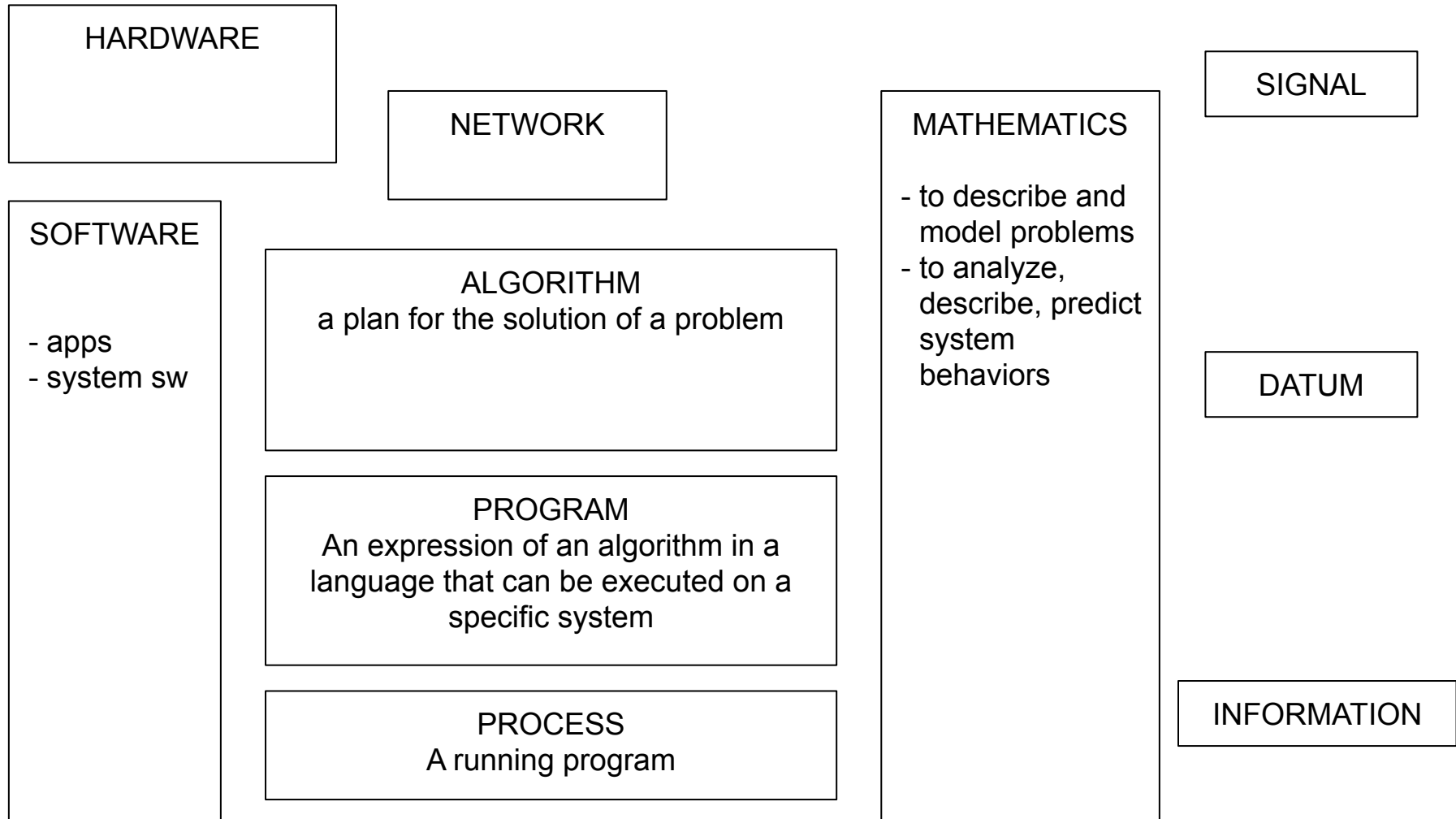


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A view from the top



Key concepts



Never forget the fundamentals!

- It's easy to feel the need to rush to innovative applications (React? Blockchain? ChatGPT?)
- A **firm foundation of your knowledge** is far more important than ephemeral keywords in your resume!
 - more stable even in the medium-term
 - the dedication you can invest is doomed to decrease with time
 - innovation leaps often come from revisiting/rethinking basic hypotheses

Just an example

- Floating numbers!
 - IEEE 754: 52 bits mantissa, 11 bits exponent
 - Lot of precision, small exponent
 - Very good choice for scientific computing, but bad for AI
 - Lot of memory
 - Too much precision causes overfitting
- YOU can change them, if you know what you are doing!
- TensorFlow:
 - 7 bits mantissa, 8 bits exponent
 - redefine underflow/overflow/NaN