



Beyond CS Bridge

Plan For Today

- Where We've Been
- Where We Can Go Next
 - Learning Resources
 - Python
- Thank you!

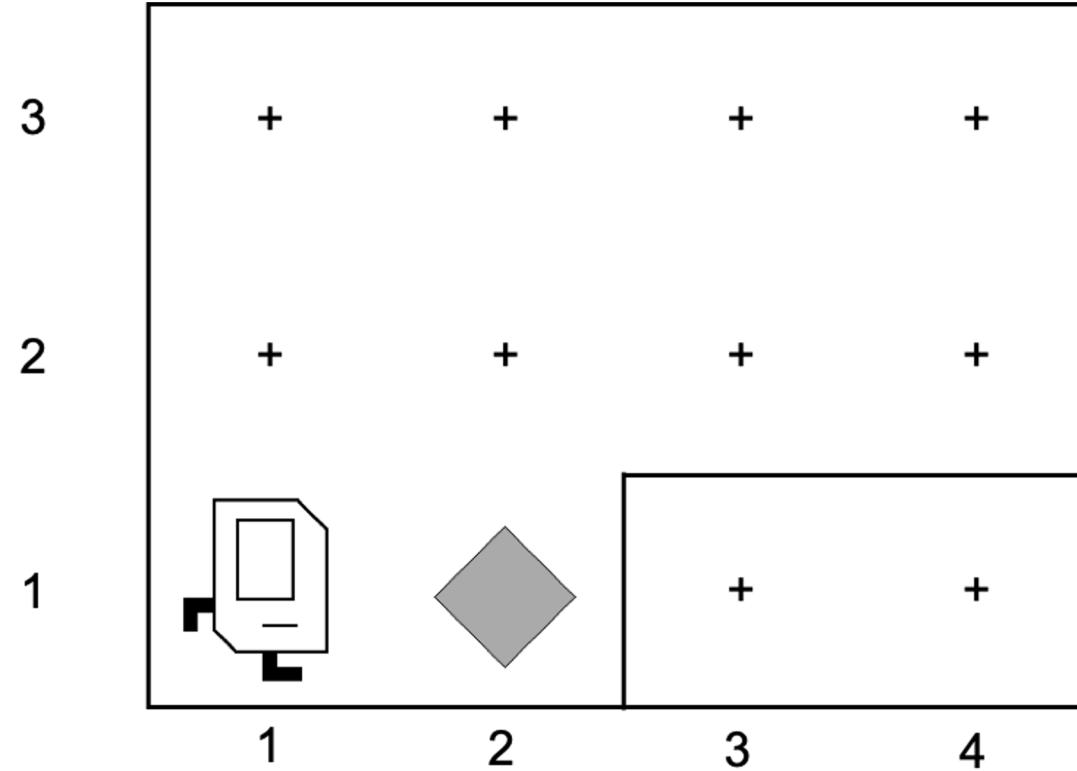
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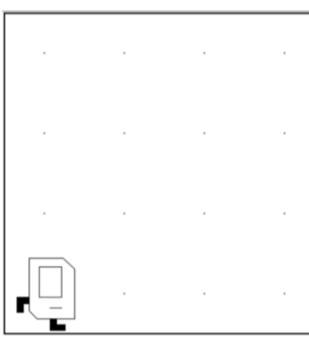
Quick Recap

1. Karel
2. Control Flow
3. Variables
4. Control Flow Revisited
5. Graphics
6. Functions
7. Nested Loops
8. Animation
9. Lists
10. Mouse
11. Breakout
12. Keyboard
13. Dictionaries
14. Artificial Intelligence
15. Interactors

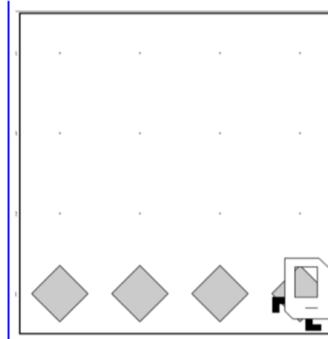
First Day



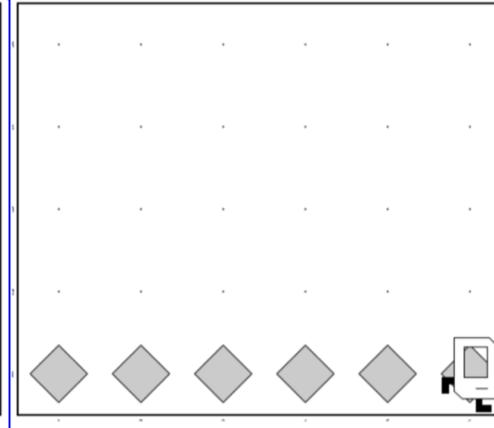
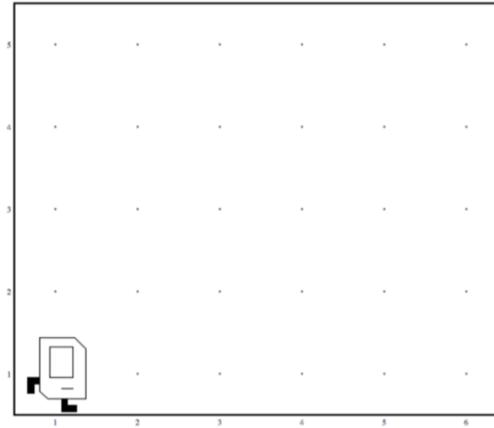
Generalization



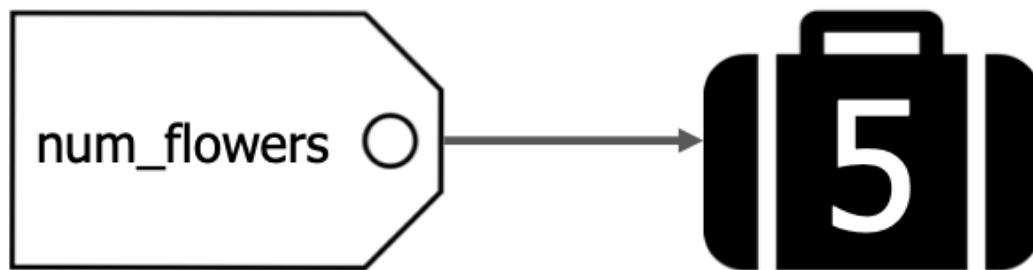
Before



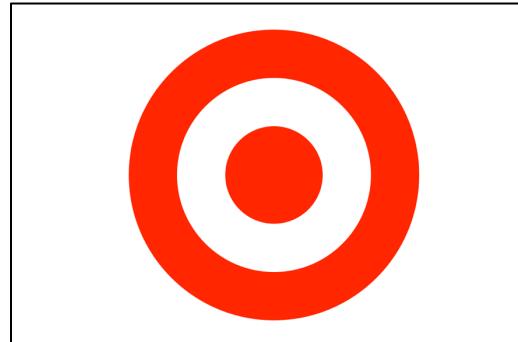
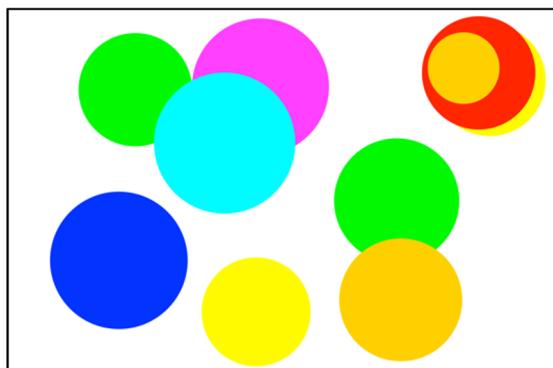
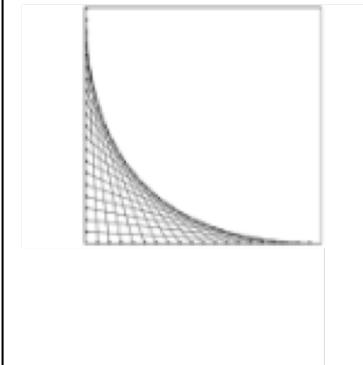
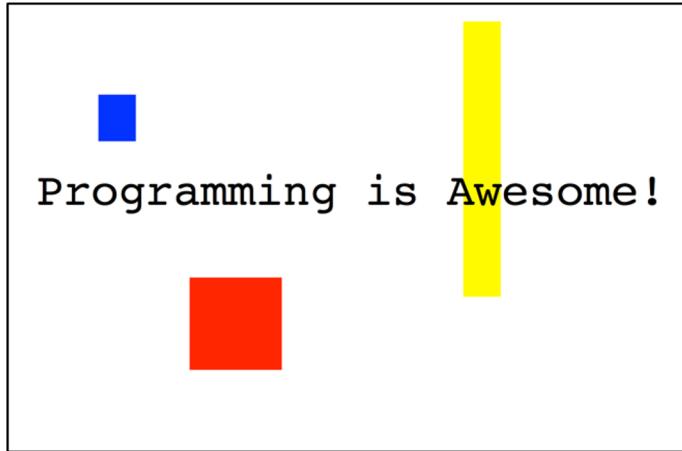
After



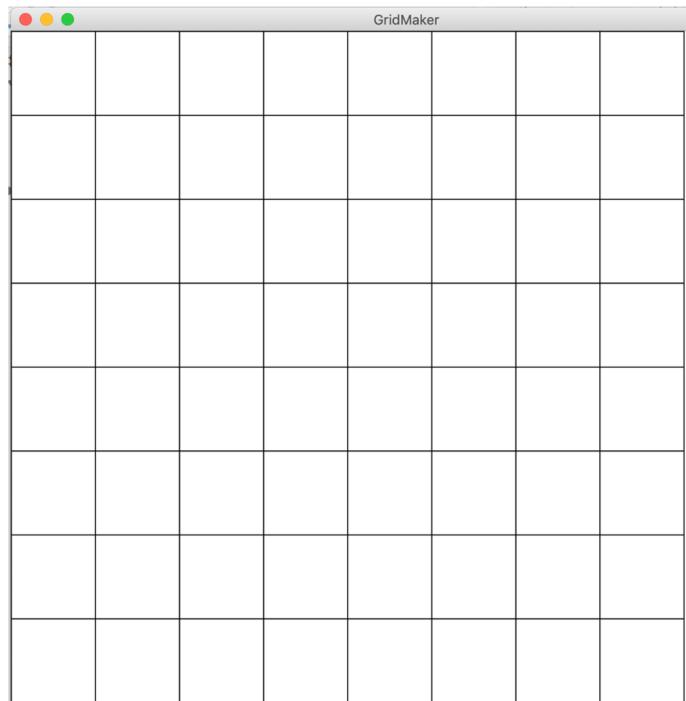
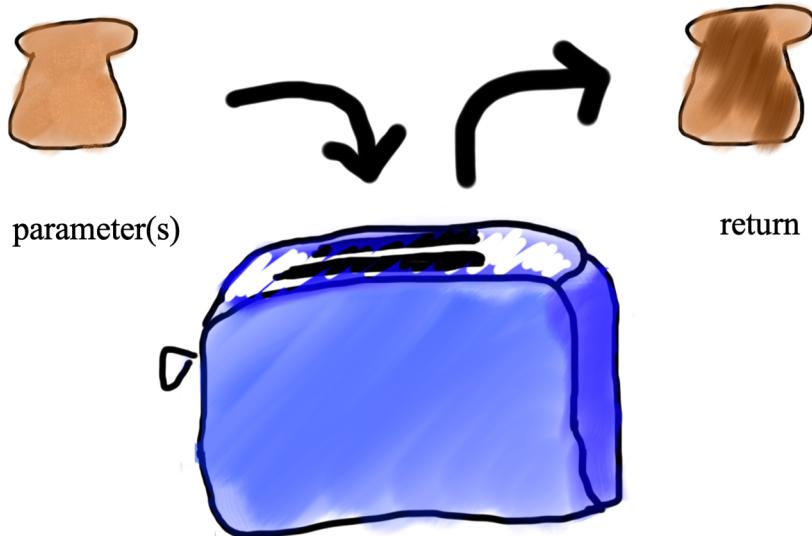
variables



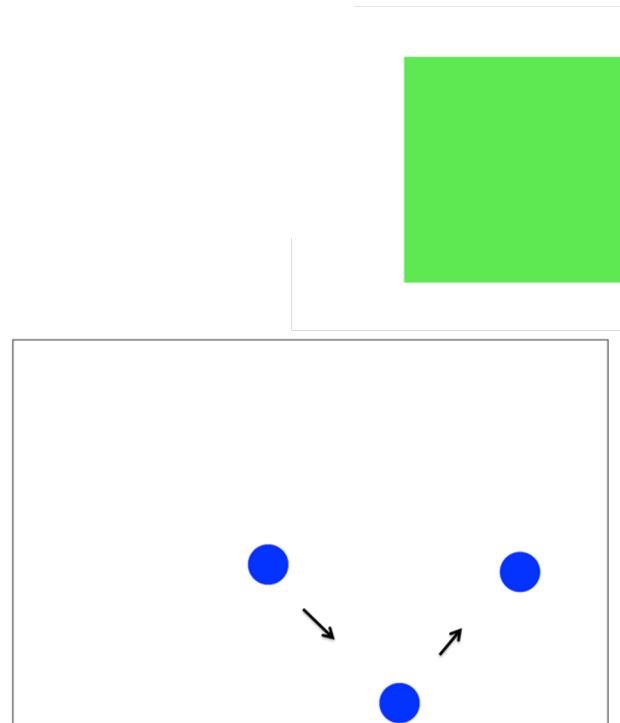
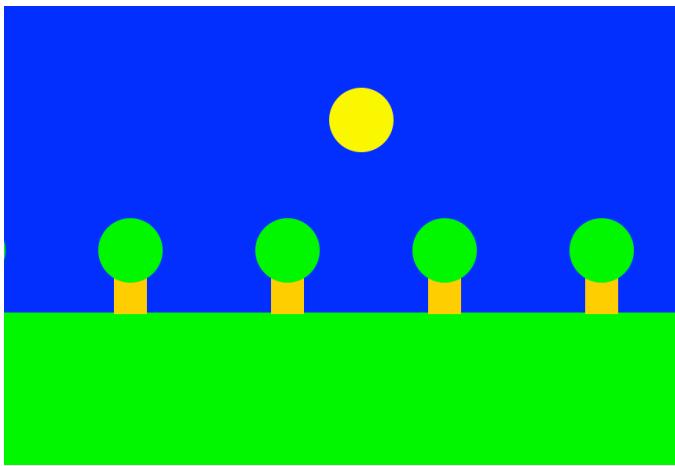
Graphics



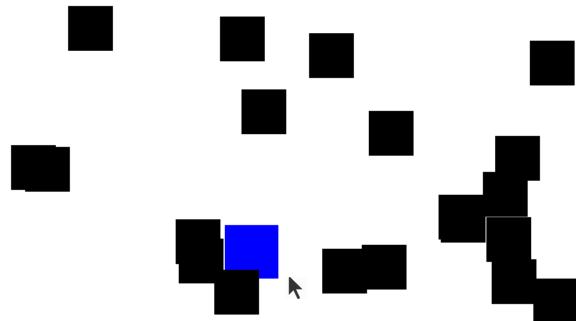
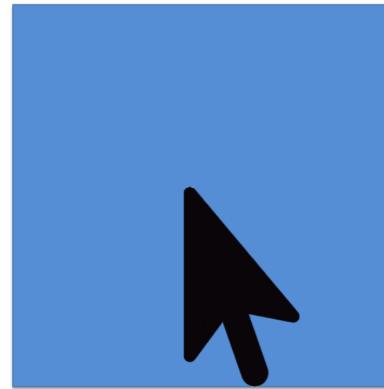
Functions and Advanced Loops



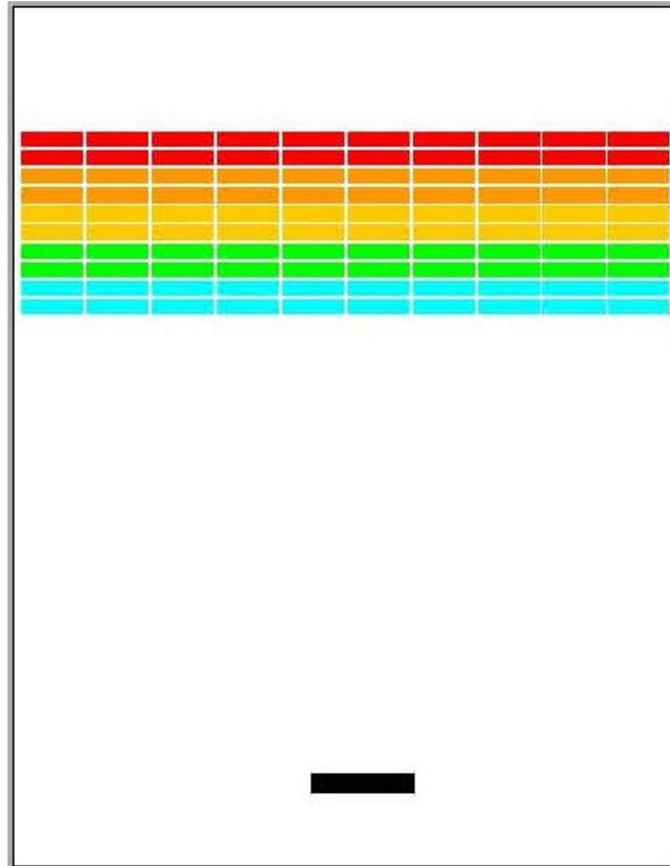
Animation



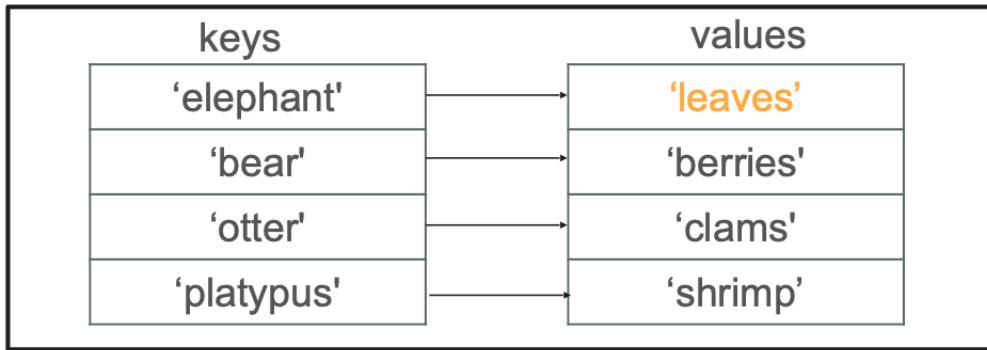
Lists and The Mouse



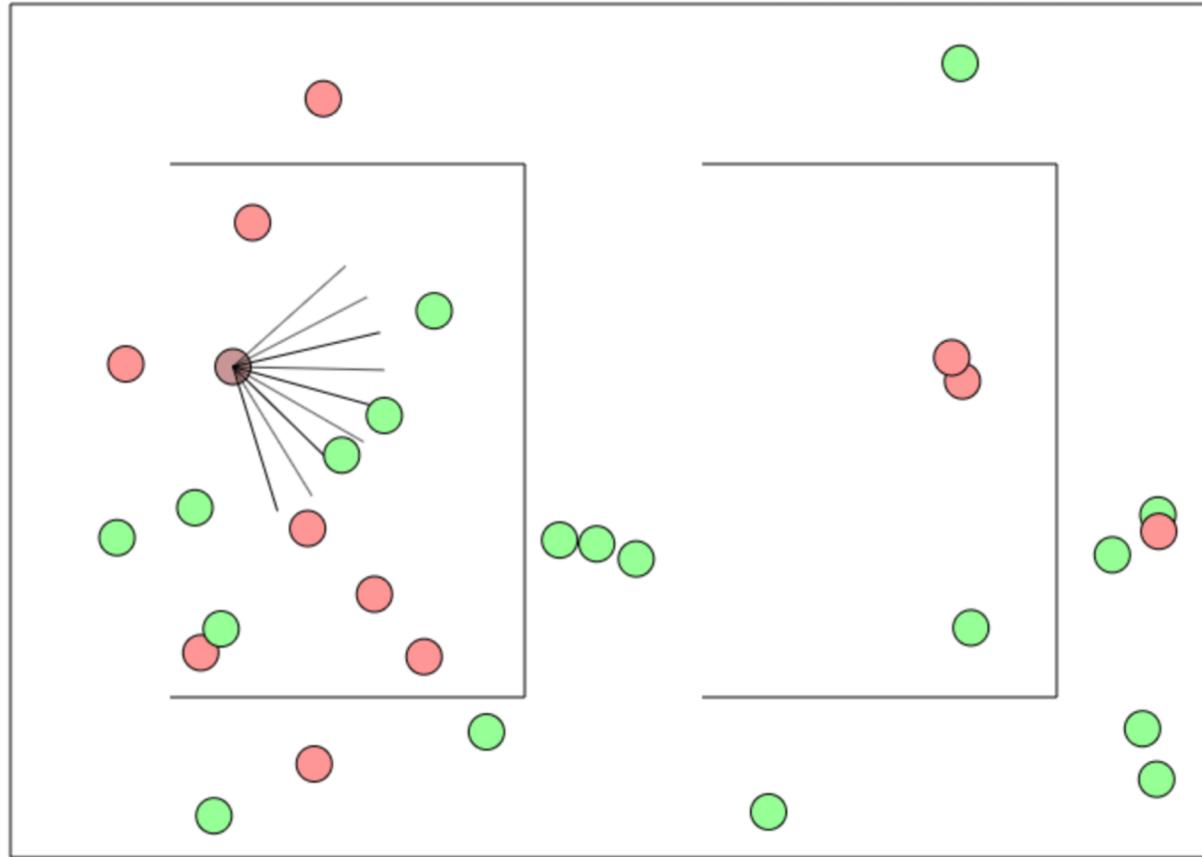
Breakout



Dictionaries



A1



Final Project



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Self-study

- <https://see.stanford.edu/Course/CS106A> (Java)
- <https://web.stanford.edu/class/archive/cs/cs106a/cs106a.1206/> (Python)
- <https://online.stanford.edu>
- <https://coursera.org>
- <https://khanacademy.org>
- <https://pluralsight.com>
- <https://docs.python.org/3/>
- <https://online.csbridge.org>

useful download links

<https://www.jetbrains.com/pycharm/>

ed

HOW STANDARDS PROLIFERATE:

(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC)

JavaScript

DOSBatch
Markup

Tcl-Tk
SGML

Logic-based
View

Frontier
Pike

Logo
Rigal
Befunge

Blue
Chalk
BigWig

Visual
Haskell

SITUATION:
THERE ARE
14 COMPETING
STANDARDS.

14?! RIDICULOUS!
WE NEED TO DEVELOP
ONE UNIVERSAL STANDARD
THAT COVERS EVERYONE'S
USE CASES.



YEAH!

SOON:

SITUATION:
THERE ARE
15 COMPETING
STANDARDS.

ed
HyperCard
Procedural
PostScript
VBScript
API
Smalltalk
Reflexive
HTML
Sc
Sather
CobolScript
Leeda
Lisp
Clojure
POP-11
Mercury
ADL
Multiparadigm
Squeak
Ada
WaterHSL
Dataflow
ARB
JavaScript
Visual Basic
Basic
HyperTalk
Object Pascal
Smalltalk
Reflexive
HTML
Sc
Sather
CobolScript
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POP-11
Mercury
ADL
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Squeak
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WaterHSL
Dataflow
ARB

*Demo: Creating a new Python program
and installing a Python package*

Stay in touch!

- <https://us.edstem.org/courses/968/discussion/>

Be a star!

Bud'FIT časopis
FIT ČVUT



Introduction to Computer Science 2018: Očima účastnice

28. 8. 2018 Externí autor Aktuální dění na FIT, Holky v IT Edit

Asi by se sluhlo říct pář slov na úvod o tom, kdo vlastně jsem. V květnu jsem odmatovala na gymnáziu v Kladně a jsem přijatá na FIT ČVUT. Zatím o IT moc nevím, ale hrozně mě to zajímá. Všechno, co jsme na semináři v hodinách informatiky dělali mohou a uždu jeom chtěla toho umět víc. Když jeom získala že

TÉMA ▾ RUBRIKY ▾ O ČASOPISU

AKTUÁLNÍ TÉMA



Poznej FIT

NEJNOVĚJŠÍ PŘÍSPĚVKY

Společně táhneme za jeden kabel aneb FIT slaví deset let své existence

Pavel Tvrďák: O vzniku fakulty po 10 letech

Programmer's Brain – studentský projekt na mezinárodní prezentaci DA-SPACE

Magistrovák – úvodní akce pro magisterské studium

FIT Párty 2019

<https://casopis.fit.cvut.cz/deni-na-fit/introduction-to-computer-science-2018-ocima-ucastnice/>

Algoritmy pro život

Jak využít počítačové algoritmy při každodenním rozhodování



Brian Christian a Tom Griffiths

Jane Melvil publishing

Joy of Building





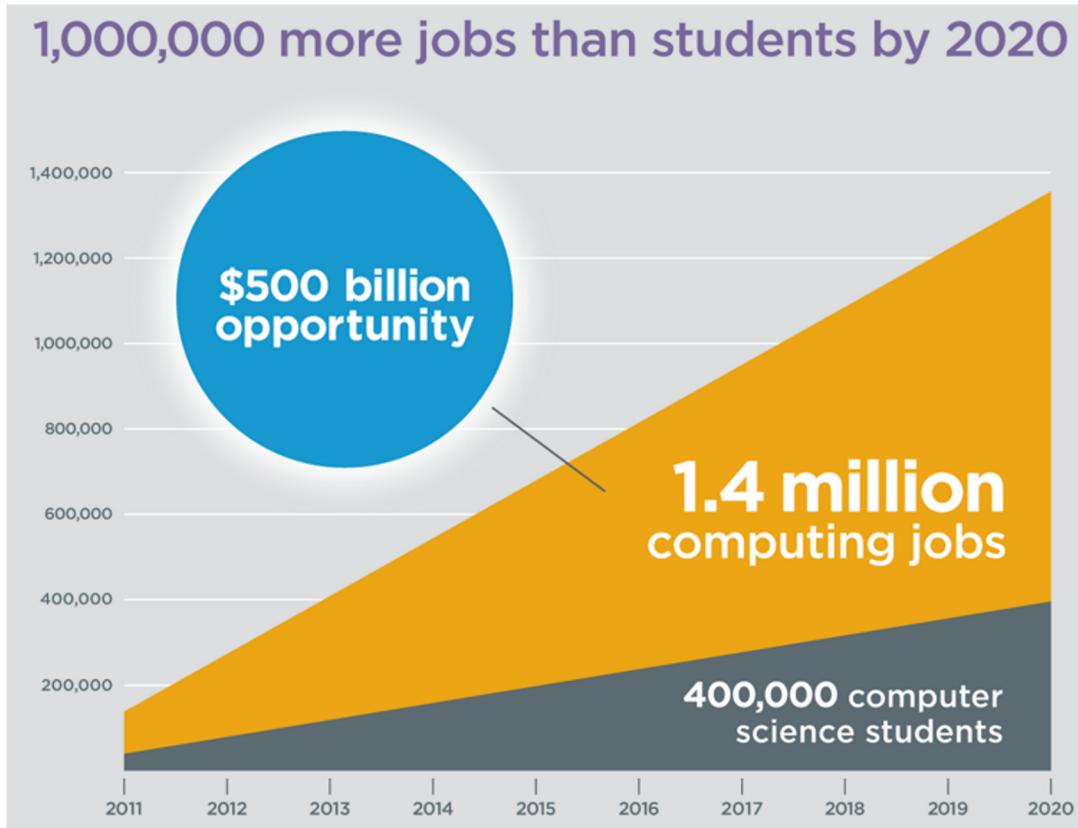
Closest Thing to Magic



Now is the time!



oh and it's useful

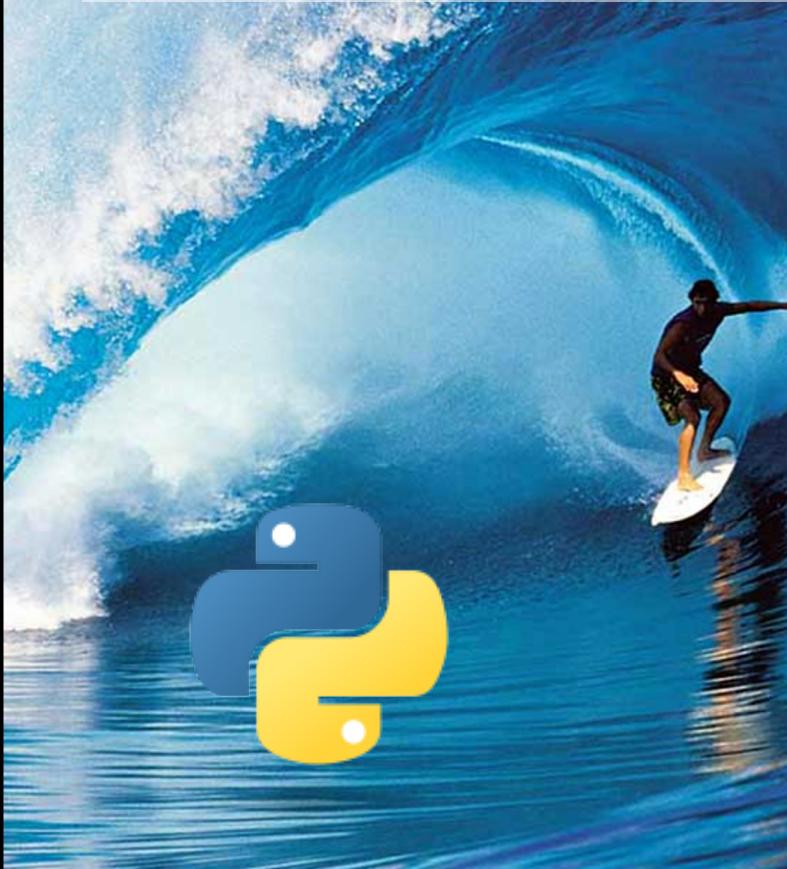


Everyone is welcome



Tell your friends :-)

Keep Learning by Doing



```
# good life
while True:
    learn()
    play()
    love()
    time.sleep(8)
```

we hope we excited
you about learning
more computer
science!

You should be
proud of
yourselves

