

RED HAT
SUMMIT

DIVERSITY AND COMMUNITY LIGHTNING TALK



NEVER TOO YOUNG FOR OPEN SOURCE

Michael Vorburger.ch
Engineer in the Office of Technology
Thursday May 4th, 2017





SCRATCH

File ▾ Edit ▾ Tips About

Mon Nom
by vorburger (shared)

points 30199

v456



X: 240 y: -180

Scripts Costumes Sounds

Motion

- Events
- Control
- Sensing
- Operators
- More Blocks

Looks Sound Pen Data

when right arrow key pressed
move 10 steps
next costume

when left arrow key pressed
move -10 steps
next costume

when space key pressed
say Hello! for 2 secs
broadcast disAussiHello

when green flag clicked

- move (10 steps)
- turn (15 degrees)
- turn (15 degrees)
- point in direction (90)
- point towards [mouse-pointer v]
- go to x: 61 y: -49
- go to [mouse-pointer v]
- glide (1 secs to x: 61 y: -49)
- change x by (10)
- set x to (0)
- change y by (10)
- set y to (0)

Sprites

New sprite:

	Sprites
	Stage 2 backdrops
	Lutin2
	Bat1

New backdrop:



Devs Spiketail walks and eats Banana

by [vorburger](#)

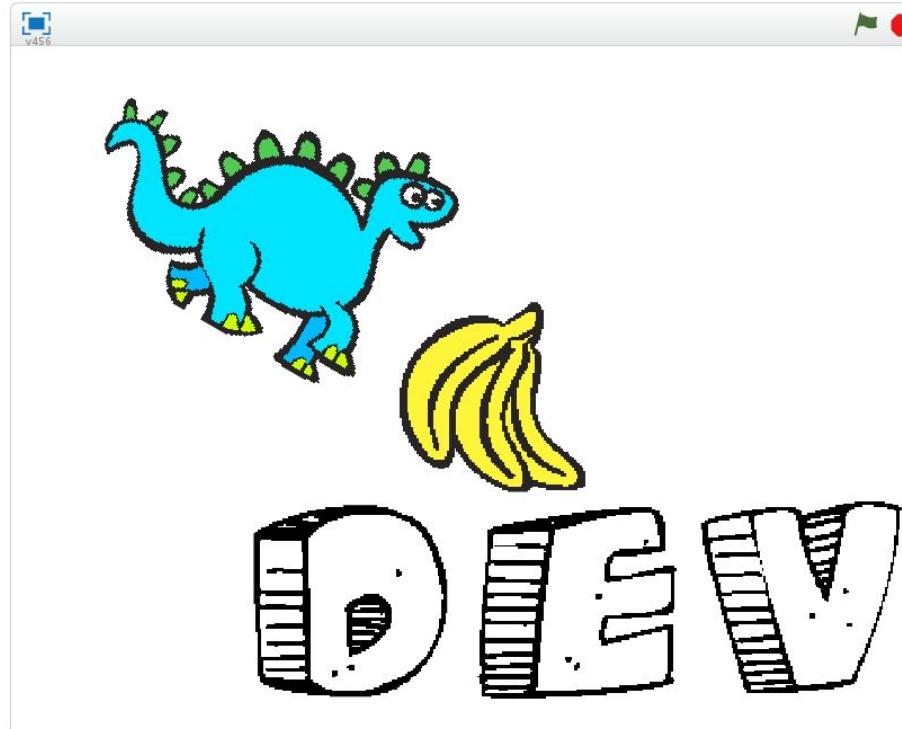
DRAFT

2 scripts

6 sprites



See inside



Instructions

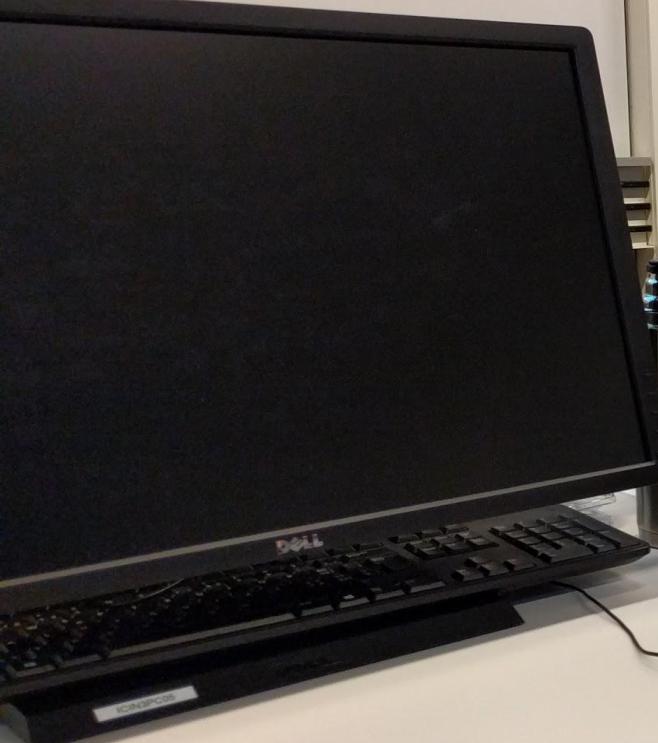
RTFM ? ;)

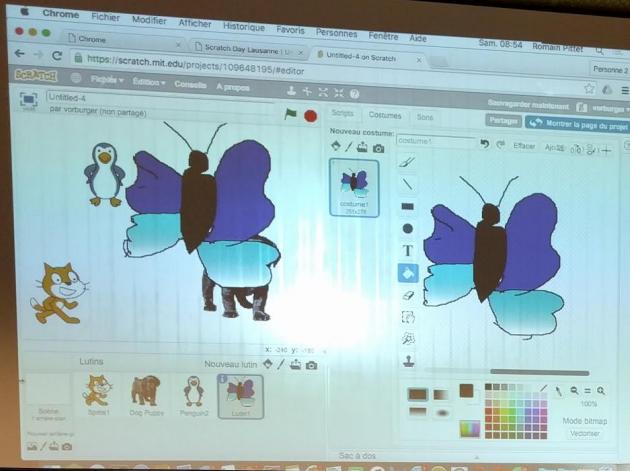
Notes and Credits

This is the very very first Scratch project D

Add project tags.

Saturday 01/01/2016
1c Scratch2016-01 (-20)





Scratch Day 2015-2016
Scratch 2.0



https://scratch.mit.edu/projects/66959686/ 170% Search

SCRATCH Create Explore Discuss About Help Search vorburger

4

32 scripts 16 sprites

See inside

Dogs counting

by vorburger

DRAFT

Instructions

Click on the dogs to count them.

Cliquez sur les chiens pour le compter.

Notes and Credits

Faite pour et avec la princesse.

Add project tags.

Shared: 13 Jun 2015 Modified: 13 Jun 2015



Villamont 2017

[Projects \(3 \)](#)[Comments \(0 \)](#)[Curators](#)[Activity](#)[Add projects](#) Allow anyone to add projects

Updated 17 Mar 2017

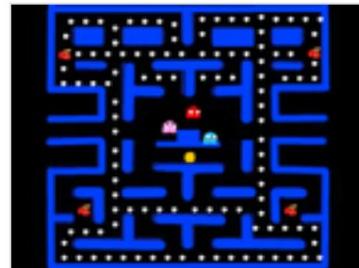
Projets des participants au cours d'informatique 2017 au collège de Villamont, Lausanne, Suisse.



[Untitled](#)
by styllar



[a bored visual novel by...](#)
by AyameSenpai



[Pacman](#)
by Temime03

It's not really about
“learning programming”,
but having fun making
things* with Interactive
Learning Machines
(AKA “computers”)

* incl. animated stories, music, quizzes, mini games (mobile apps & robots)

Open Source?

32 scripts
16 sprites



What does any of this have to do with Open Source?

- Kids intuitively understand and like to OPEN and be inspired by, learn from, and “hack” what others made!
- “With Computers, YOU’VE GOT THE POWER to experiment & learn, at your rhythm.”
- Open Source way really is about this FREEDOM (source code is a means to that end)



A composite image featuring a woman's face with glowing blue eyes superimposed on a background of a circuit board and a background of a person's face with glowing blue eyes superimposed on a background of a circuit board. The image is overlaid with a large amount of illegible, semi-transparent code, likely representing AI-generated or processed data.

WITH A FEW GOOD FRIENDS

WITH A FEW GOOD FRIENDS

It's about the community!
< Connect, Learn, Collaborate & Share >

The Gap

60% girls @ 8-12 yrs.

18% women @ CS degrees

* highly un-scientific (low sample; 18 refers to women obtain college degrees in computer science in USA)

NEVER TOO YOUNG FOR OPEN SOURCE

- Spread the open source way & the freedom to create - at all ages
- Teach your own kids & hold workshops for kids & inspire teachers
 - E.g. code.org, scratch.mit.edu, khanacademy.org/computing,
appinventor.mit.edu, playcodemonkey.com, raspberrypi.org, [Thymio](https://thymio.org), ...
 - organize it “with a few good friends” - it’s great fun!



A Study in Improving Job Descriptions and Improving Outreach to Increase Engineer Diversity

Pipeline. Hire. Retain.

Emily Brand
Territory Services Manager, Northeast US
May 4, 2017

Computer Science Female
Graduates

18%

Female Undergraduate
Students

56%

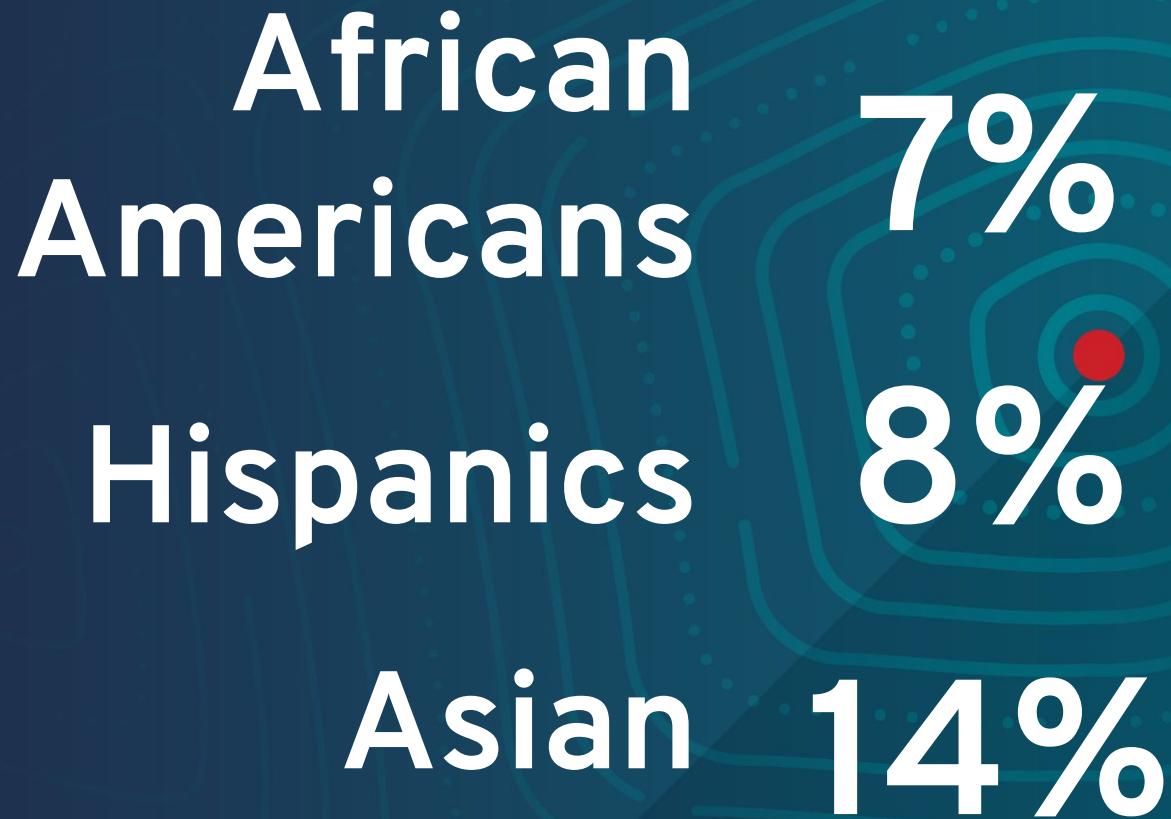
Technology Positions Held By
Females

26%

Leadership Positions in
Technology held by Women

5%

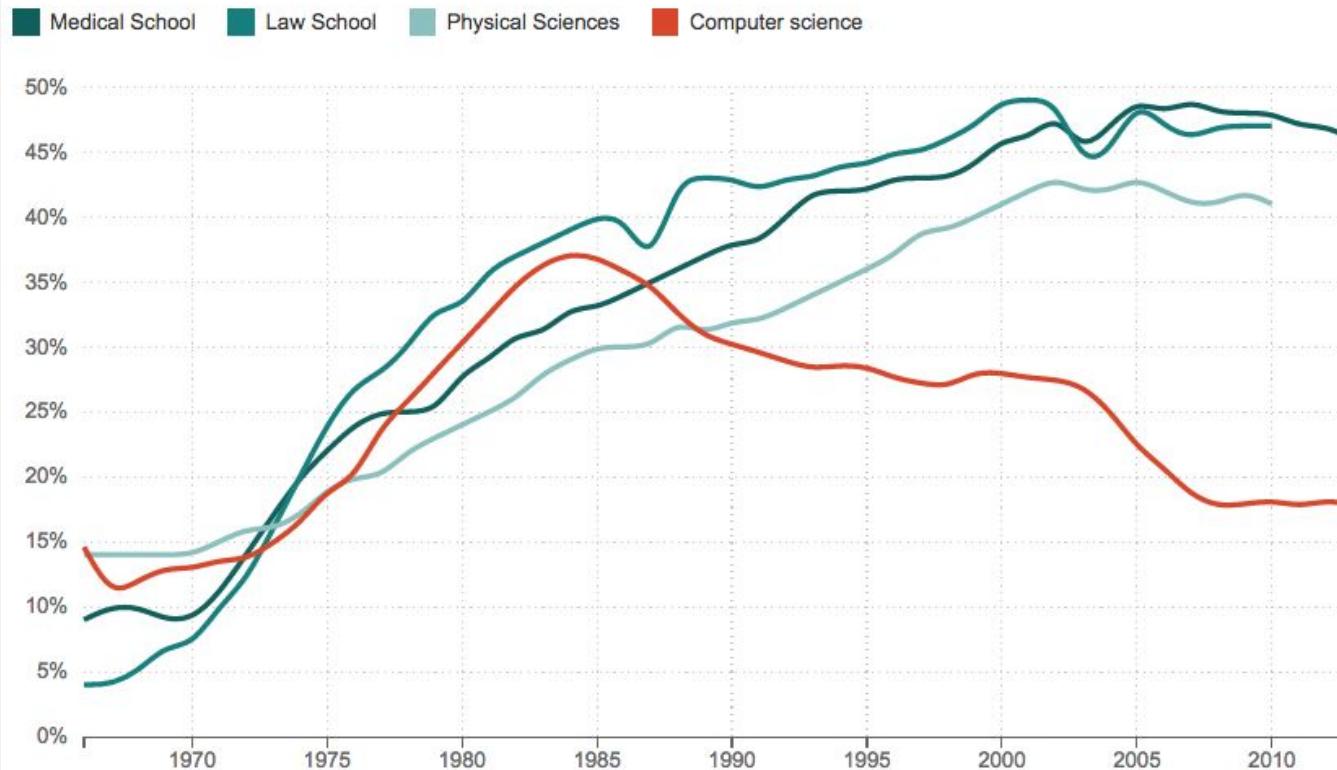
Source: TechCrunch
ED.gov



Source: Equal Employment Opportunity Commission

What Happened To Women In Computer Science?

% Of Women Majors, By Field



Source: National Science Foundation, American Bar Association, American Association of Medical Colleges

Credit: Quoctrung Bui/NPR

JOB DESCRIPTIONS

Normal Job Description

Required Skills

- Experience with enterprise-wide deployments
- Advanced knowledge of Linux Kernel, Red Hat Enterprise Linux, and containers, including performance tuning experience, troubleshooting, and bug fix updates
- Solid understanding of system management, clustering and storage management, virtualization, cloud management
- Demonstrated experience communicating value, progress, and metrics of key projects to required stakeholders and diverse audiences
- Exceptional analytical and problem-solving skills
- Excellent communication and customer management skills
- Good project management skills
- Solid English communication skills

JOB DESCRIPTIONS

Inclusive Job Description

- Extensive experience with Red Hat technologies is not required, but **you will be expected to learn our product and solution offerings quickly**. Here's how your skill-set will evolve and what will be expected from you during your first year in the role.
- **Within 1 month** you will be trained in your choice of sales or technical training depending on your skill sets and interests. The offerings include:....
- **Within 3 months** you will be in the field managing your own client base with the direction of a territory services manager who will own the book of business. You will be assigned a mentor which will be one of your peers in the region. Your expected responsibilities will be:...
- **Within a year** you will be expected to do the following:....

45%

80%

SHRINK IT AND PINK IT?



TODAY

What has changed bringing women to the table? Dawn Hudson, CMO, 2014

- Jerseys women's size, not pink
- #likeagirl
- The NFL Is Growing Only Because of Women - Bloomberg, 2014
- First female referee

WHAT CAN YOU DO TODAY?

RED HAT
SUMMIT

OPEN SOURCE AND THE MILITARY MINDSET

Deploying the Future

Josh Springer
Staff, Operation Code

Conrad Holloman
Staff, Operation Code

Thursday May 4th, 2017



operationcode

*We're a veteran-founded and led 501(c)(3) nonprofit, on a mission to help the military community **learn software development**, **enter the tech industry**, and **code the future**.*

A black and white photograph of three soldiers in full combat gear, including helmets and vests, wading through shallow water. They are carrying equipment, such as a rifle and a large bag. The background shows a hilly, arid landscape under a clear sky. A vertical dark blue bar is positioned on the left side of the image.

FROM TROOPS TO TECH

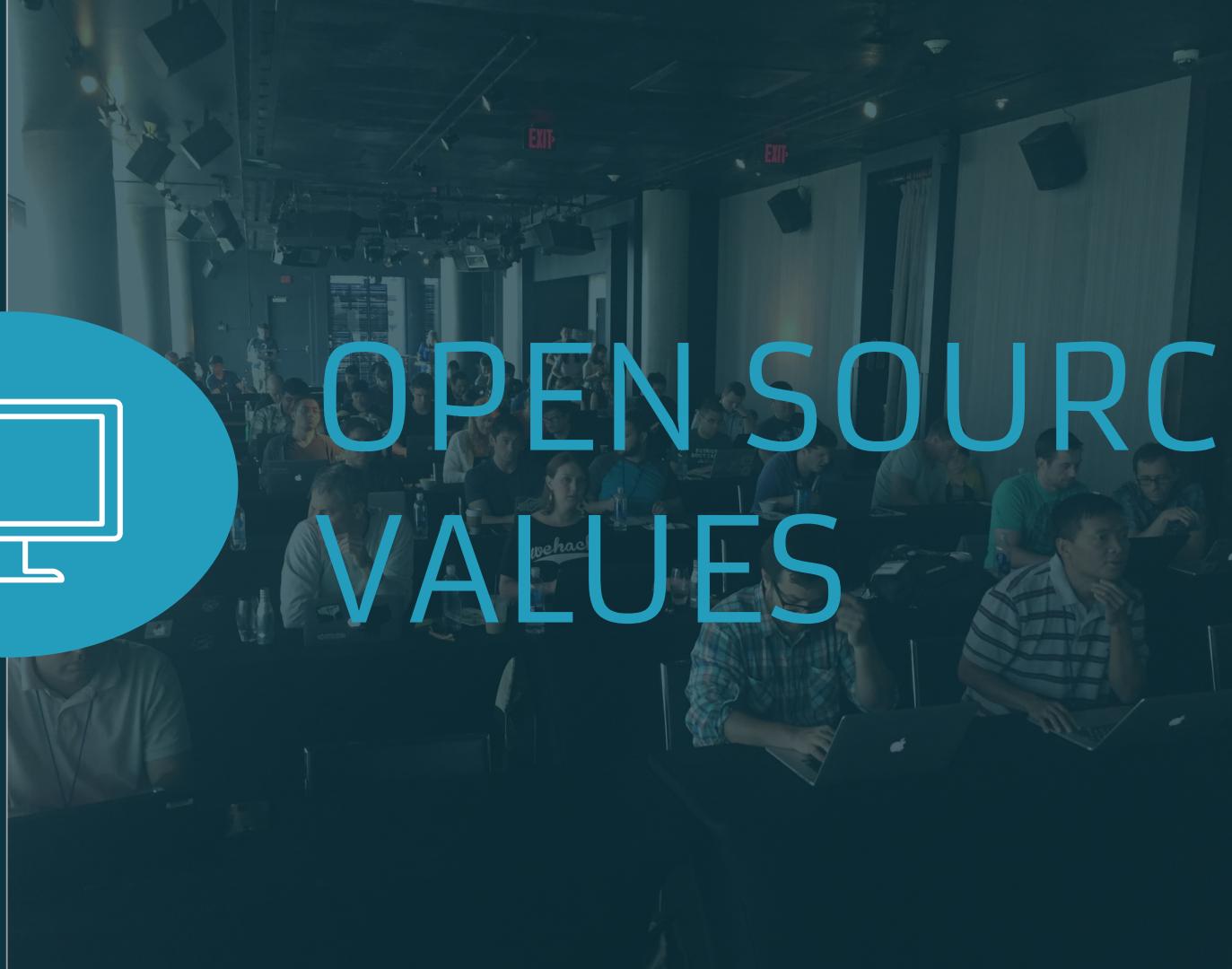


TRANSITIONING





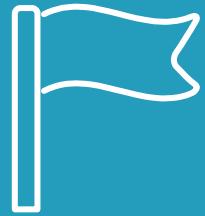
OPEN SOURCE VALUES





Freedom Transparency Collaboration





MILITARY VALUES





Integrity
Dedication
Diversity
Collaboration





DEPLOY THE FUTURE. JOIN OUR MISSION.

Contact us at:

josh@operationcode.org

conrad@operationcode.org

Twitter: @operation_code

Web: <https://www.operationcode.org/>



THANK YOU



plus.google.com/+RedHat



linkedin.com/company/red-hat



youtube.com/user/RedHatVideos



facebook.com/redhatinc



twitter.com/RedHatNews

RED HAT
SUMMIT

LEARN. NETWORK.
EXPERIENCE
OPEN SOURCE.