A complex, abstract background consisting of numerous thin, colored lines (ranging from blue, green, yellow, red, and purple) that curve and overlap, creating a sense of motion and depth.

Welcome to OpenCodes

A large, abstract graphic element consisting of numerous thin, red, wavy lines that form a complex, organic shape resembling a cloud or a series of stylized letters.

an Event

by Hack & Söhne

But first

- HS – Info booth
- join the conversation @ slack.opencodes.io
- Code of Conduct
 - opencodes.io
- Wifi Password
 - Hack&Soehne

Timetable - Saturday

... Team Building & Hacking Starts!

13:00 - Lunch

15:00 - GitHub Talk

17:00 - Understand.ai Talk

18:30 - Dinner

20:00 - Team Sign-Up Deadline

21:00 - Surprise

Timetable - Sunday

07:00 – Breakfast

11:00 to 14:30 – Expo-Phase

12:00 – Lunch

15:00 – Announcement of Finalists

16:00 – Final Pitches

17:00 – Ceremony and Closing Session

18:00 – Dinner & Departure

Preselection & Judgement

Main Category
by Hack & Söhne

Team Size:

2-4

no EXCEPTIONS!

Submit your Project

First Round: Expo-Phase

Second Round: Final Pitches

Closing Ceremony

Deadline:
Today 20:00

1. Go to:
opencodes.devpost.com
2. register
3. submit your project
4. (optional) Select
special category

The description must include:

1. all team-members
2. name of the project

Allocation: Today 24:00

Submit your Project

First Round: Expo-Phase

Second Round: Final Pitches

Closing Ceremony

Expo-Phase



Final Pitches

Expo-Phase

15 minutes

1 jury member

Only the best survive!

It's your job to approach the juror!

Submit your Project

First Round: Expo-Phase

Second Round: Final Pitches

Closing Ceremony

Expo-Phase



Final Pitches



Final Pitches

120 seconds per team

complete jury

every participant in the theatre

Submit your Project

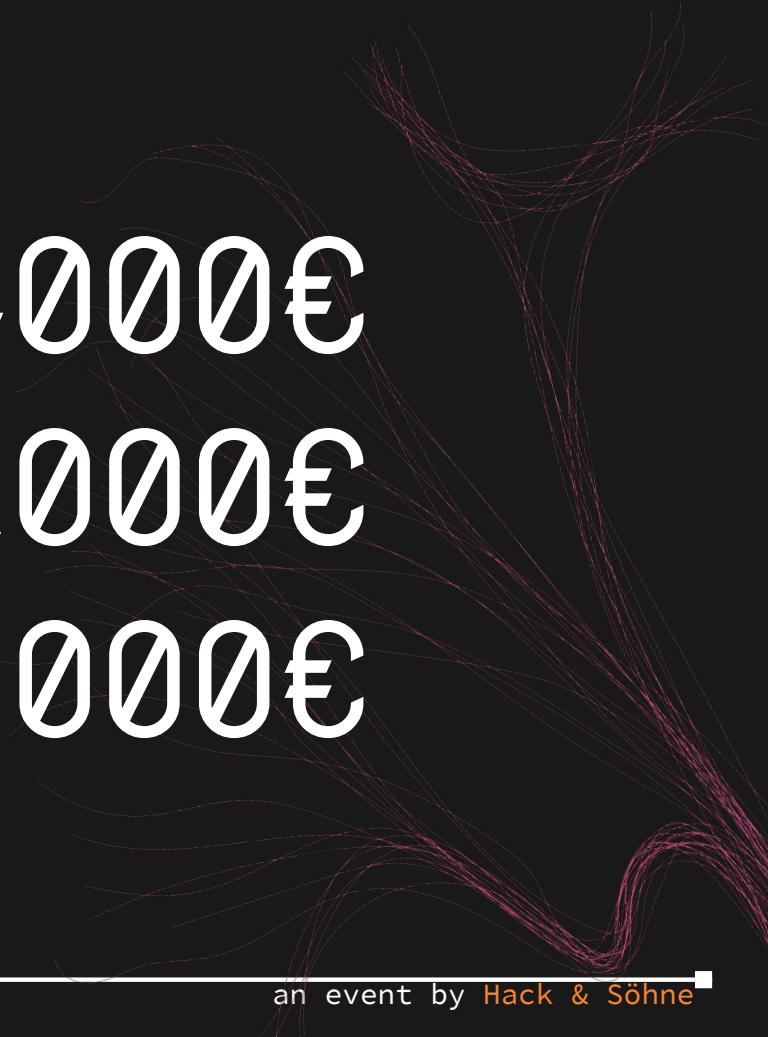
First Round: Expo-Phase

Second Round: Final Pitches

Closing Ceremony

Closing
Ceremony
Sunday

17:30 to 18:00

- 
1. Prize: 4000€
 2. Prize: 2000€
 3. Prize: 1000€

meet

the Jury

Andreas Eckleter





Martin Hubschneider

Bernhard Janke





Alex Waibel

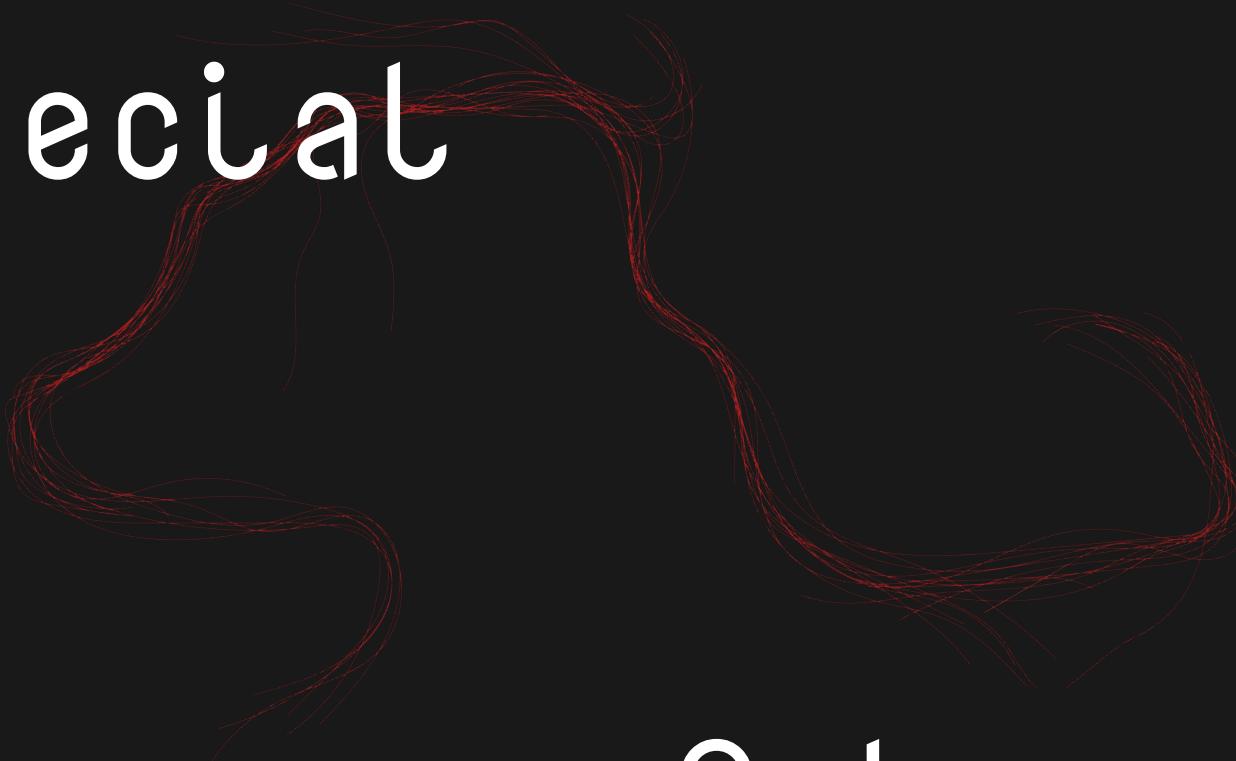
Torsten Kröger





Yasemin Keskintepé

Special



Categories



CAS Software AG

IT brings people together





ARTUR



TORBEN



MARKUS



SVEN



MICHAEL



CHRISTIAN

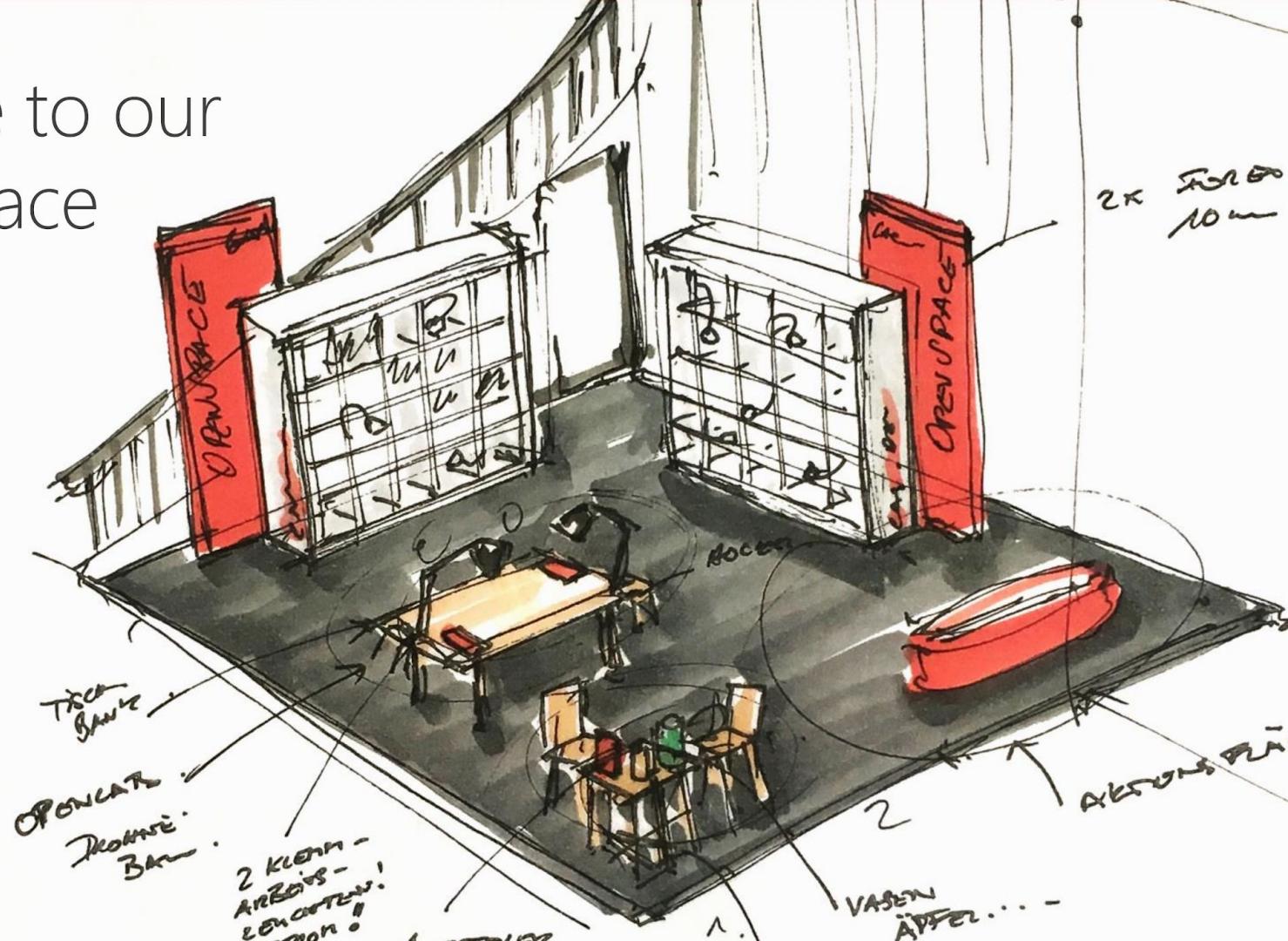


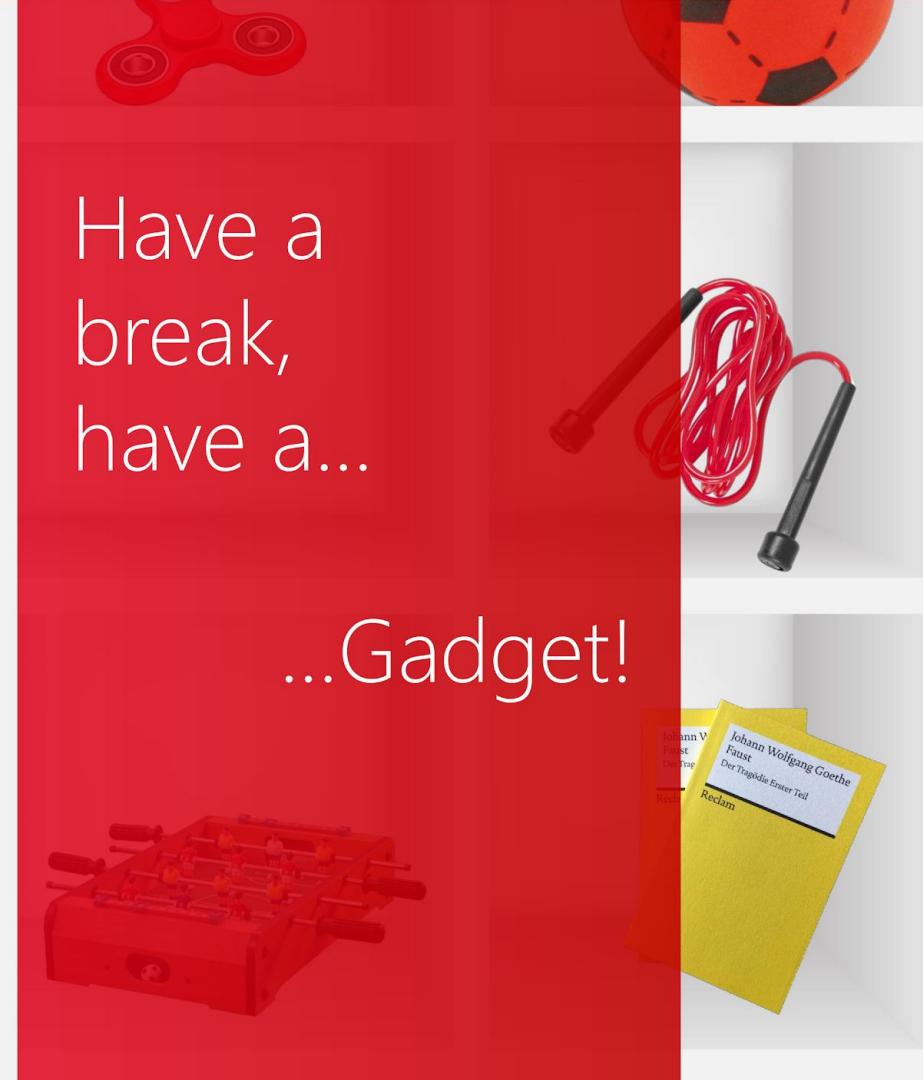
JAN



LUKAS

Welcome to our Open Space







IT brings people together

CONNECTING WORLDS



**OUR CHALLENGE FOR YOU:
CONNECT THE WORLDS**

City Light + IoT
Autonomous Car + Services
Blockchain + Supply Chain
Big Companies + Start-ups
? + ?

IT'S UP TO YOU! ☺

Art & Technology by ZKM

- > Strengthen the ties between science, art and technology
- > Experiment, think creatively, re-combine data
- > Change the way we see the world



Aim

- > How can we interpret data differently?
- > Show us the hidden art inside datasets
- > Challenge your existing tools to create unconventional representations
- > Find new meanings and information content in data



#MyOctocat #rethinkhackathon



#myoctocat

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New to Twitter?

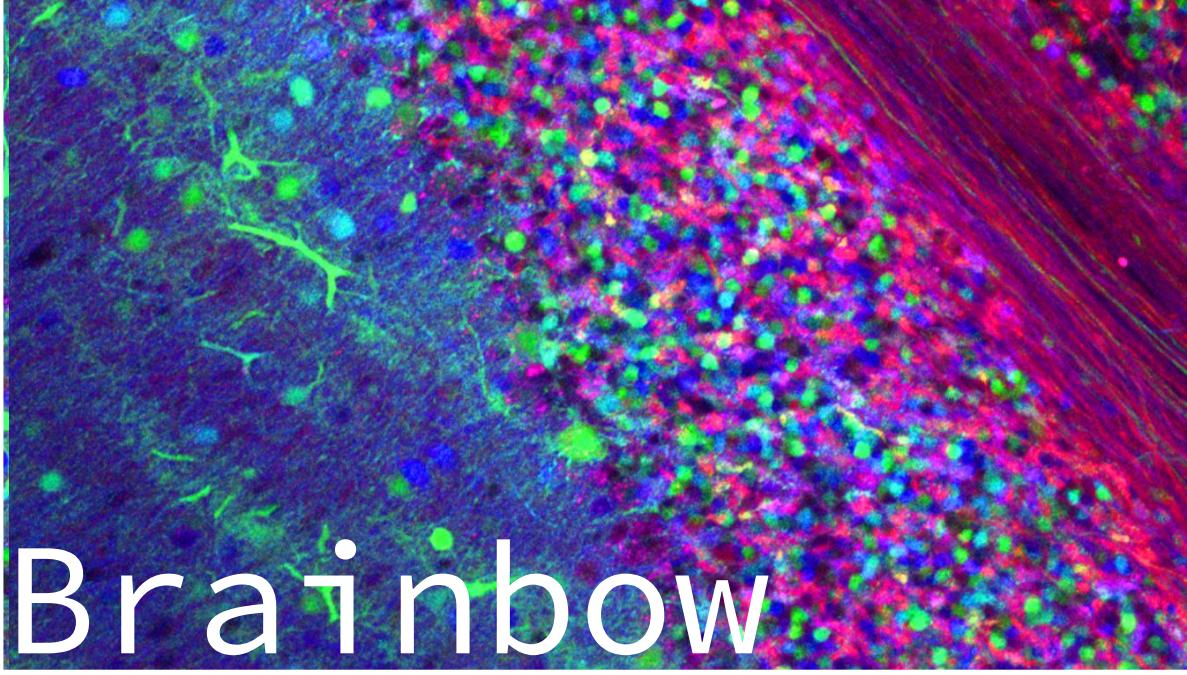
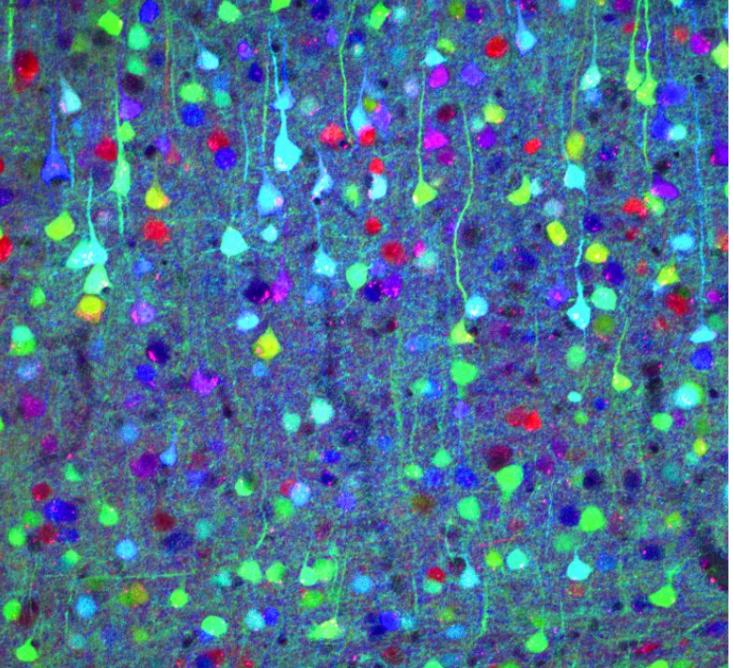
Sign up

Worldwide trends

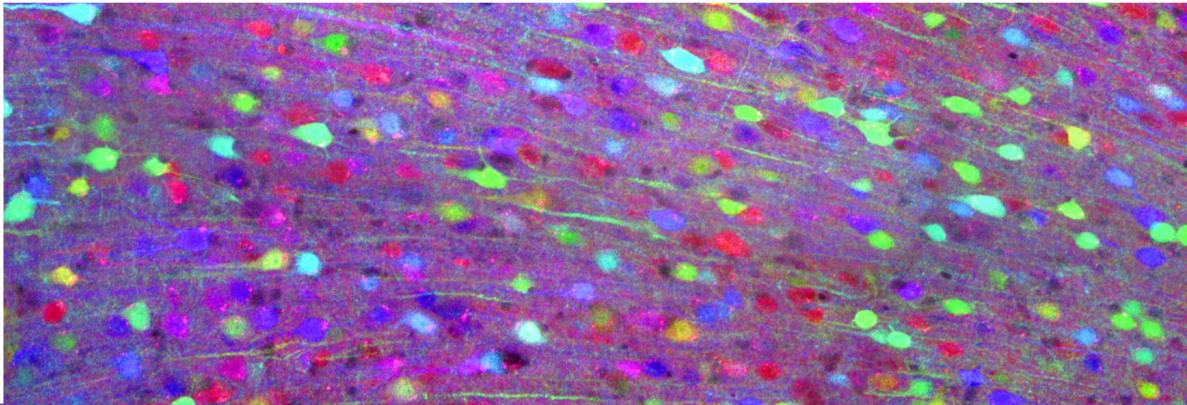
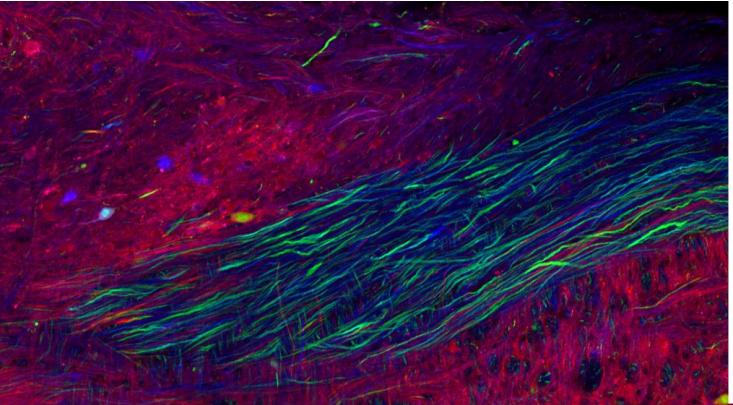
- #نوم_الاخت_الوسيطى
46.1K Tweets
- #apagao
19.7K Tweets
- #David2018
14.4K Tweets
- #Perú
245K Tweets
- #FuerzaKast
19K Tweets
- #Fariña4
4,354 Tweets
- Mark Zuckerberg
126K Tweets
- Barroso
23.8K Tweets

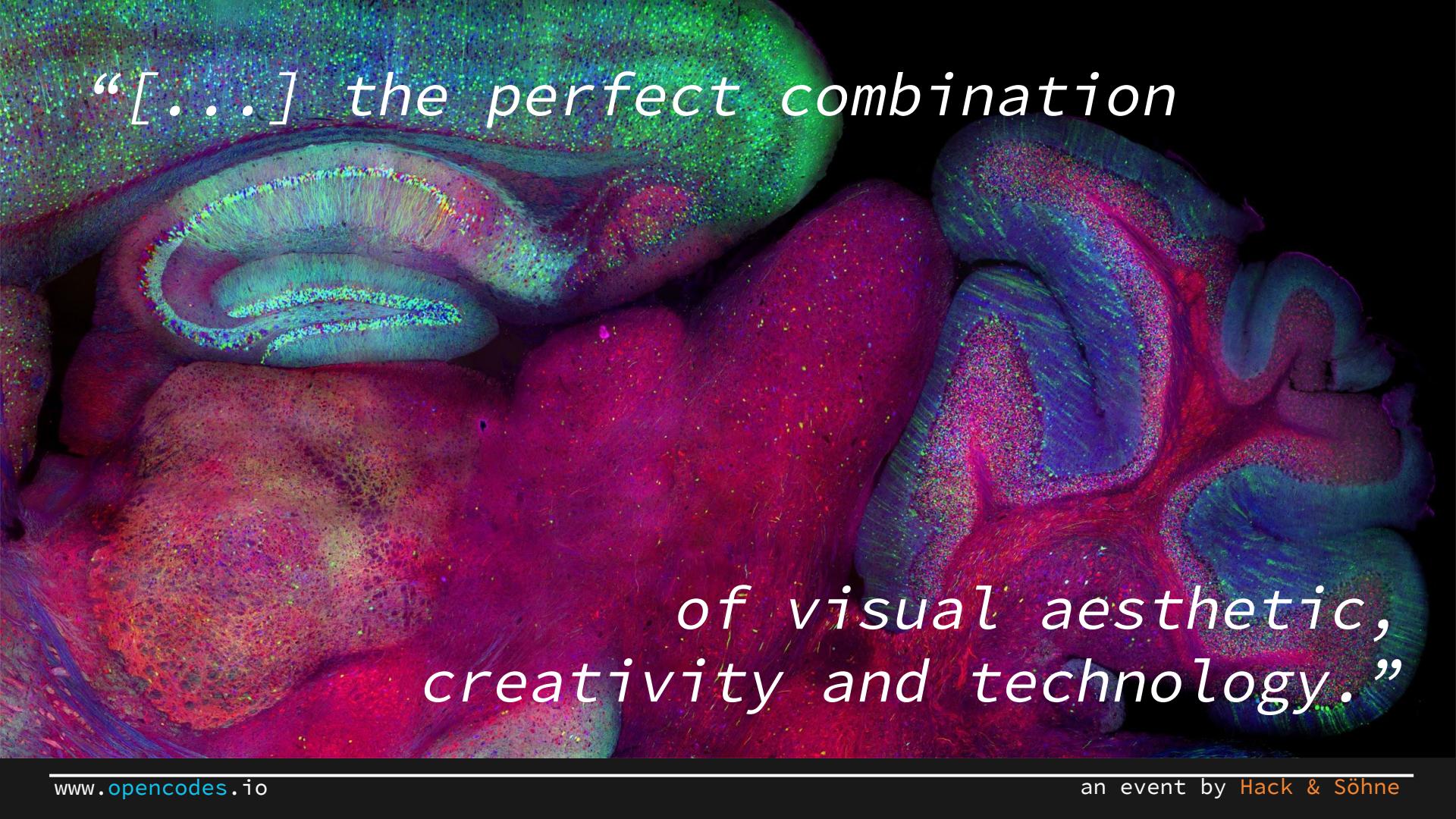
Yifei Ren @iifii_ren · Mar 3
@GitHubEducation, @MLHacks, #MyOctocat contest for @starterhacks!
I took a few creative liberties =u=

A whimsical illustration of the GitHub Octocat. The cat is depicted as a blue starfish with a pink heart-shaped face, a bow tie, and a long, flowing blue tail. It has a small tuft of hair on top of its head. The illustration is set against a white background with a small signature "YF" at the bottom right.



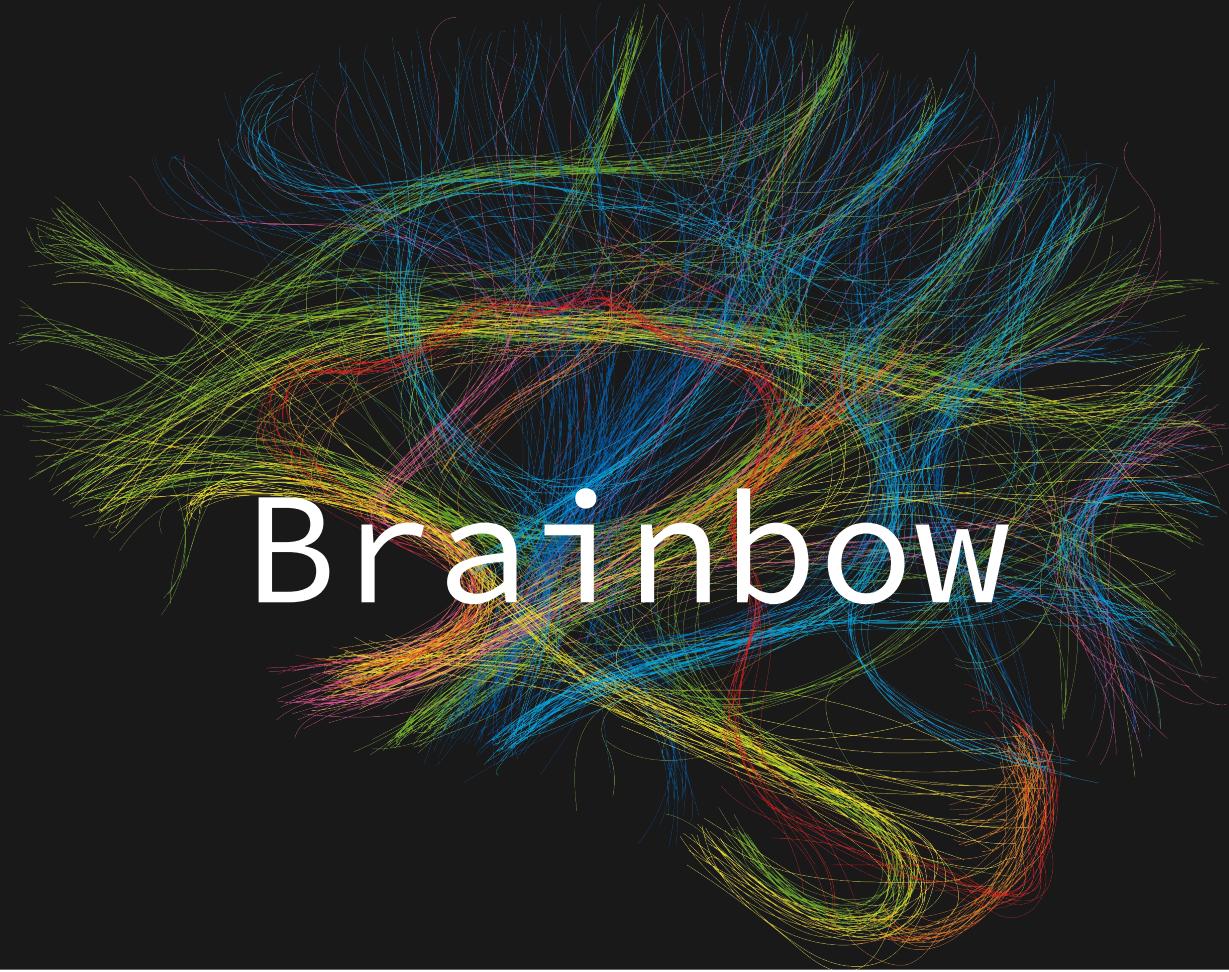
Brainbow



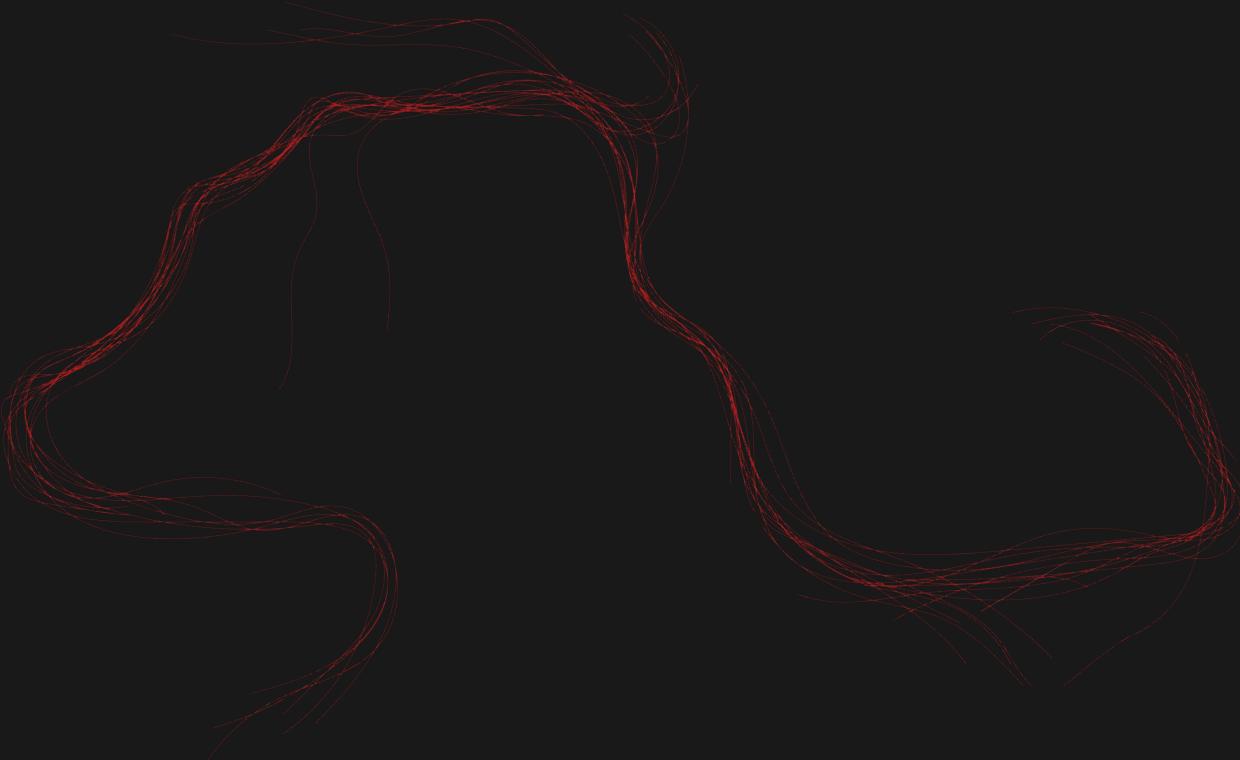


“[...] the perfect combination

*of visual aesthetic,
creativity and technology.”*



Brainbow



Our Sponsors

Vector at a Glance



Employees:
> 2,000
Vectorians



Turnover:
520 Mio. €
in 2017



Associations:
participation in
15 committees



Customers:
> 7,500 companies
in 72 countries



Affiliated Companies:
GiN | CSM | BASELABS

Subsidiaries:
24 locations in
12 countries



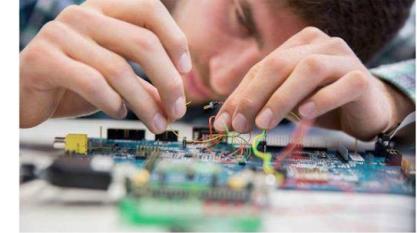
Application Areas and Product Examples

Development of Distributed Systems

PREEvision

Embedded Software and Systems

MICROSAR, Flash Bootloader, VC ECU, Customer Projects



Testing

CANoe, CANalyzer, vTESTstudio, VT System, Data Logger, VectorCAST



Diagnostics

CANDelaStudio, Indigo, vFlash, DiVa

ECU Calibration

CANape, VX1000, vCDM, vSignalyzer, vADASdeveloper



Consulting

Consulting Services, Engineering Services

Vector offers solutions for ... >

**GMX****1&1 versatel**
1&1 DRILLISCH**STRATO**

... größter IT-Arbeitgeber in Karlsruhe

- > 1.500 Mitarbeiter in der Technik
- > 9.000 Mitarbeiter weltweit

Tolles Umfeld für Techies: vielfältige Technologien, Expertennetzwerk, interne Tec-Konferenzen, Schulungen & Vortragsreihen, Einsatz von agilen Methoden, meet-ups & Brown-bags, aktiv in der TEC community Karlsruhe, uvm.

BENEFITS

Gesundheitsmanagement



Trainings von
Techies für
Techies: Unser
TEC Campus



Internationalität

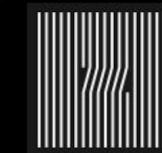
Zusammenhalt
Team-Spirit



Flache
Hierarchien und
Transparenz
„Duz-Kultur“



LogMeIn Karlsruhe,
Alter Schlachthof
200+ employees
“Full Stack” Site



Devs@
Erdgeschoss
Nr. 4

Technology Stack



ANGULARJS
by Google



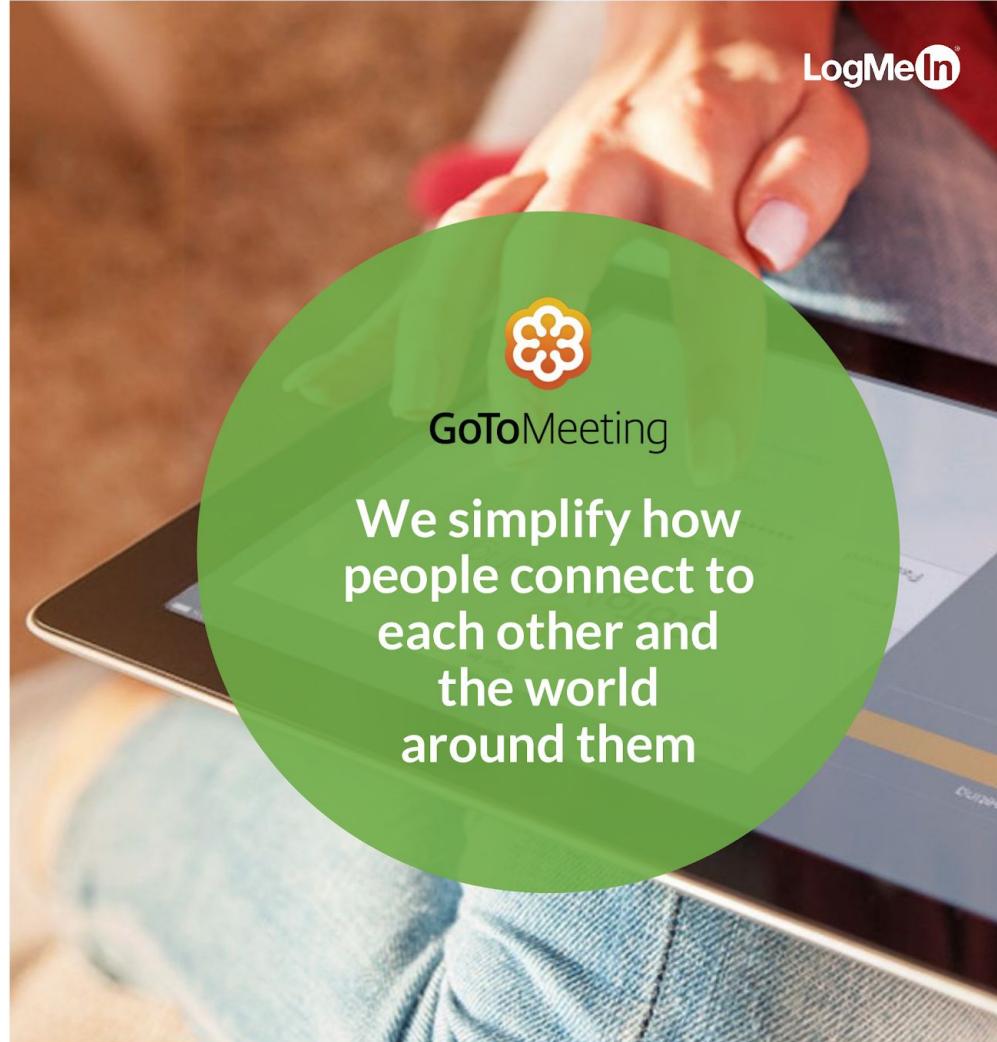
Java



C++



Microsoft
C#.net





Technology at Deutsche Bank

**24,000
people**

in 54 countries

Business Analysis

Digitalization

IT-Security

That's our
people in one
of every four
countries in
the world

Digital Client
Experience

Software Development

DBlabs



Technology at Deutsche Bank



If you have a flair for



Technology



Creativity

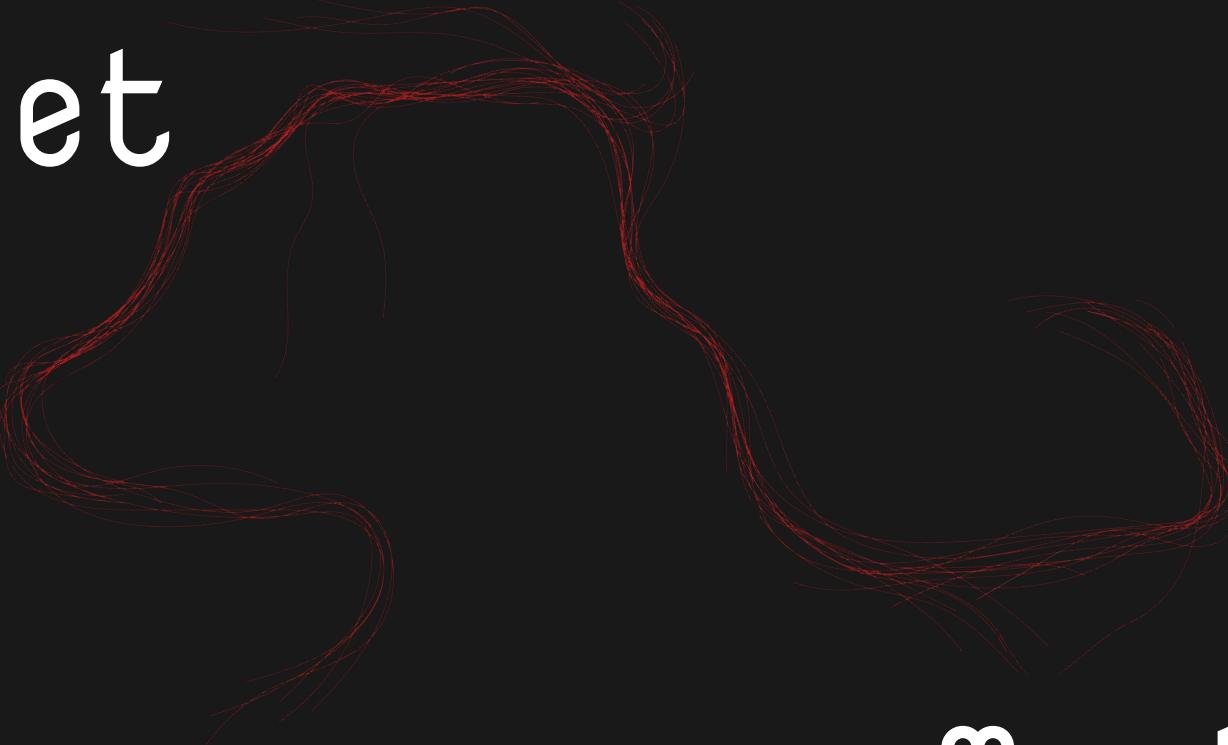


Problem
Solving



Design
Thinking

Let's meet
at the career fair

A large, abstract graphic element consisting of numerous thin, red, wavy lines that form a complex, organic shape resembling a cloud or a network. It is positioned in the upper half of the slide, with its main body centered and two smaller, trailing loops extending towards the bottom left and right corners.

Meet

our Mentors

Basile Pesin

- Computer Science Student
- Sorbonne Université (Paris)
- GitHub Campus Expert

- github.com/Vertmo



Basile Pesimal

- Node.js, GraphQL, React
- General purpose HTML and CSS
- Artstuff: p5.js and Processing, a bit of Unity
- Python, Java, Clojure, C, a bit of Haskell and Prolog



real.de - one of Germany's biggest e-commerce platforms

6.5+ million customers

19+ million monthly visits

12+ million products

5.000+ categories

5.000+ retailer

70+ million price changes



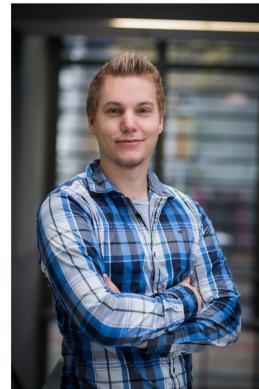
You need support with your project?
Meet our Devs at booth 2



Joschka
Tech-Guru

What are we working
with? What do we try
out?

Expert in **scaling**
problems and
architecture



Sven
Product-Guy

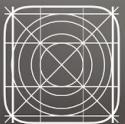
What are we working
on? How does the
prototyping of
features / ideas
work?

Expert in **product**
challenges





JAMITLABS



App Development

We believe in native development!

Technology: Swift, Kotlin, Java



Data / service integration

We integrate existing solutions!

Technology: REST, CRUD, RAML, ...

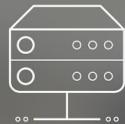
Convention over Configuration



Offline caching

Apps work without a network as well!

One / two way synchronization



Local memory

You do not always have to reload everything!

Technology: Realm, SQLite, PostgreSQL, MongoDB, ...

Replication / Synchronization



Own libraries

Duplicate code is wasted time!

Technology: Lazy Loading, Caching, Slider Menus,

Backwards Compatibility Library ...



In-house development

Lean management!

In-house development

Also REST APIs with Ruby on Rails



JAMITLABS

neusehland

chrono24
The World's Watch Market

ZEISS

— EnBW

BrandMaker
Engage better. Sell more.

IRES
INFRAROT ENERGIESYSTEME

HAIX®

IPRO
PASKAL

aluplast®
Kunststoff-Fenstersysteme



There are 10 kinds of people
in this world.

Those who understand
binary and those who don't.



understand.ai

- > Deep learning, CV & NLP
(or anything ML)
- > Business models
(or anything startup related)
- > Hackathon presentations



Marc Mengler
(ML Researcher, Co-Founder)



- >  JS at superspeed
(or anything Frontend)
 - >  Code Style Enthusiast
 - >  Functional Programming
-
- >  Vue.js hero
(or anything Frontend)
 - >  Master of Docker
 - >  Hack everything!

>

>

>

>

>

>



Dennis Keck
(Team Lead Frontend)



Frederic Tausch
(Software Engineer)

Timetable - Saturday

... Hacking Starts!

13:00h - Lunch

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17:00h - Understand.ai Talk

18:30h - Dinner

20:00h - Team Sign-Up Deadline

21:00h - Surprise

Azure Cloud

For students: \$100 azure credit on [azure4students](#)

- [azure-overview.com](#)
- K80 GPU via Azure VM (Deep Learning)

Hardware Kits

Pi 0 WB



air quality sensor
alcohol sensor (gas)
heart rate finger clip

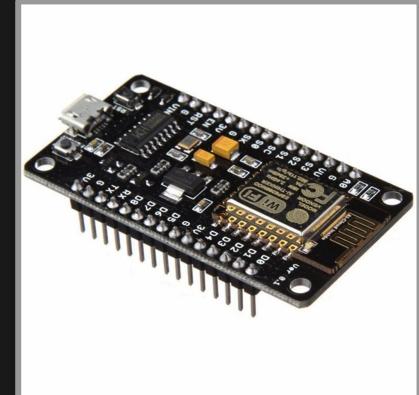


color sensor
UV sensor
sunlight sensor (IR, VIS, UV)

nodeMCU ESP 32 WB



touch sensor pads
40 RGB LED Matrix
light based gesture sensor



updates via slack

Questions?



Answers!



rethink hackathon

Optional



Meet the team



Marcel



Marina



Sandro



Max

Meet the team



Jo



Julian



Karl



Leander

Meet the team



Jan



David



Adrian



Karl

Sandro

Marina

Max

Marcel



Julian

Adrian

Leander

Jo

Jan