Strange Loop 2019

A very brief round-up

https://www.thestrangeloop.com

https://www.youtube.com/channel/

UC_QIfHvN9auy2CoOdSfMWDw

Over 80 talks in 2 days...

- How not to read the room: creating wearbles with ML (Stephanie Nemeth)
- Declarative APIs in an imperative world (Tilde Thurium)
- Assistive augmentation: Lip reading with AI (Serg Masis)
- How computers misunderstand the world (Meredith Broussard)
- How we tell stories in code (Hannah Howard)
- Probabilistic scripts for automating common-sense tasks (Alexander Lew)
- CSS Algorithms (Lara Schenck)
- Community Driven Development (Christine Zagrobelny)
- Closing Keynote performance (Imogen Heap)

How to teach programming (and other things)

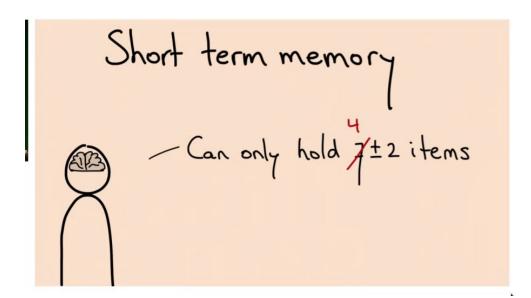
Felienne Hermans

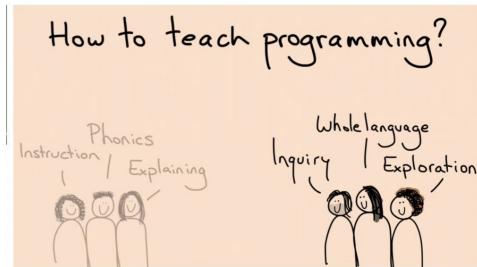
2 theories of learning.

Coding is not fun.

In order to reason/ problem solve, we need chunks to reason with.

Read code & provide explanation. Don't learn by writing code.



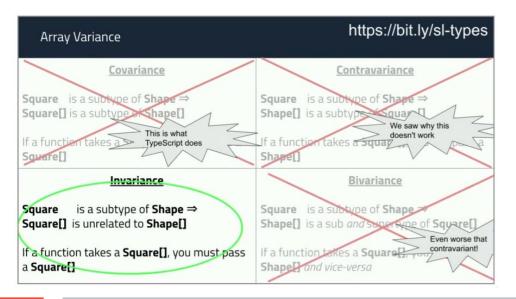


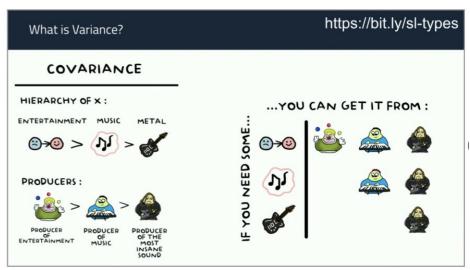
Typing the Untyped: Soundness in gradual type systems

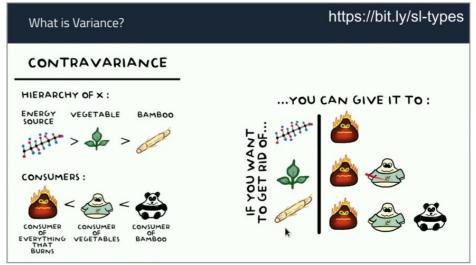
Ben Weissman

Soundness - No code with type errors Completeness - No false reports

Gradual systems also need to work with existing code / idioms



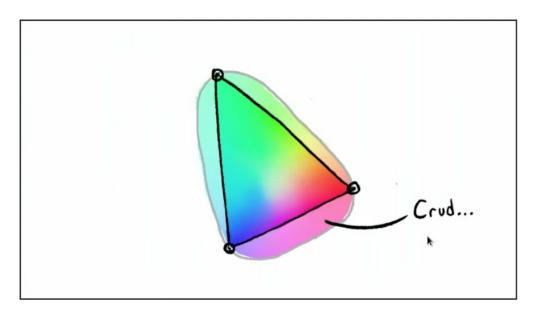




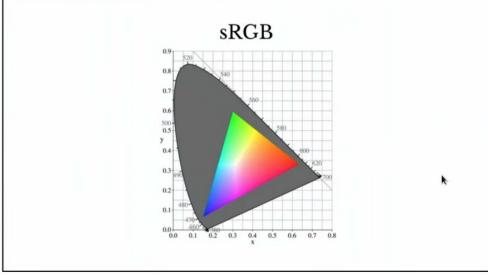
RGB to XYZ: The Science and History of Colour

John Austin

1931 CIE colour resolutions John Guild Early sRGB then CIE-XYZ





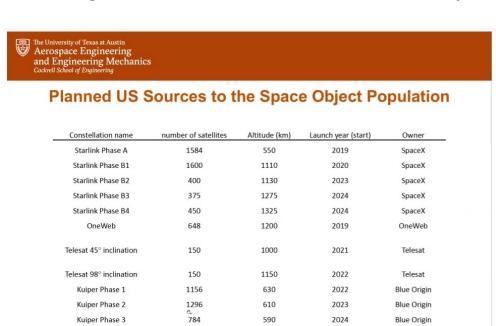


ASTRIAGraph: Monitoring Global Traffic in Space!

Moriba Jah

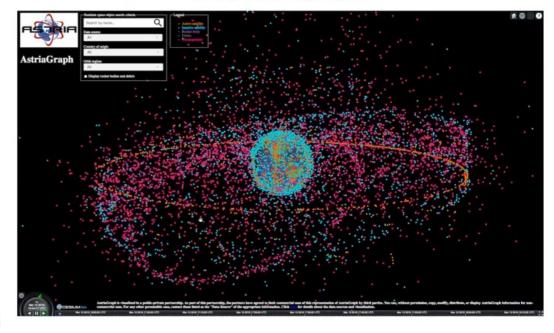
26000 objects tracked but there are 1/2 million and only 2500 of them work Global internet. 10-15K in next 5 years.

Orange dots work. Pink trails are objects that exploded in last 12 months



8593

bit.ly/astriagraph



Total

Watch the Watcher: Facial recognition & police oversight

Eileen McFarland

Fewer than 2% of misconduct complaints lead to any sort of disipline Facial recognition lacks regulation (city by city, state, country own or no rules) Facial cognition doesn't work for marginalised groups Is the tech working & what is it working for?



I was sorry to miss:

Recreating forgotten programming languages for art (Sher Minn Chong)

A Robot Goes for a Walk in the Park (Em Lazer-Walker)

Digital and Social Resilience through NYC Mesh (Michael Donatz, Jilian Murphy)

How to build with data trust and privacy as a baseline (Noble Ackerson)

The strange loop making parasitic insects our friends (Mary Marek-Spartz)

Uptime 15,364 days - The computers of Voyager (Aaron Cummings)

Beyond Alt-text: Trends in Online Accessibility (Ian Forrest)

Can Androids Conceieve of Electric Sheep (Kwame Thomison)

Other cool things

City museum Taste of St. Louis festival No hand guns allowed Elm **Conversations Project Alloy Board games** Learning the cup song