

# Capstone Project

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# Project Goals

- Deepen your learning about material we have studied
- Learn to work as a team in a longer time frame
- Have a great project to talk about with employers
- Solve difficult problems
- Talk to users that you can get (other developers)
- Explore new technologies\*
- Focus on design\*

# Project "Anti"-Goals

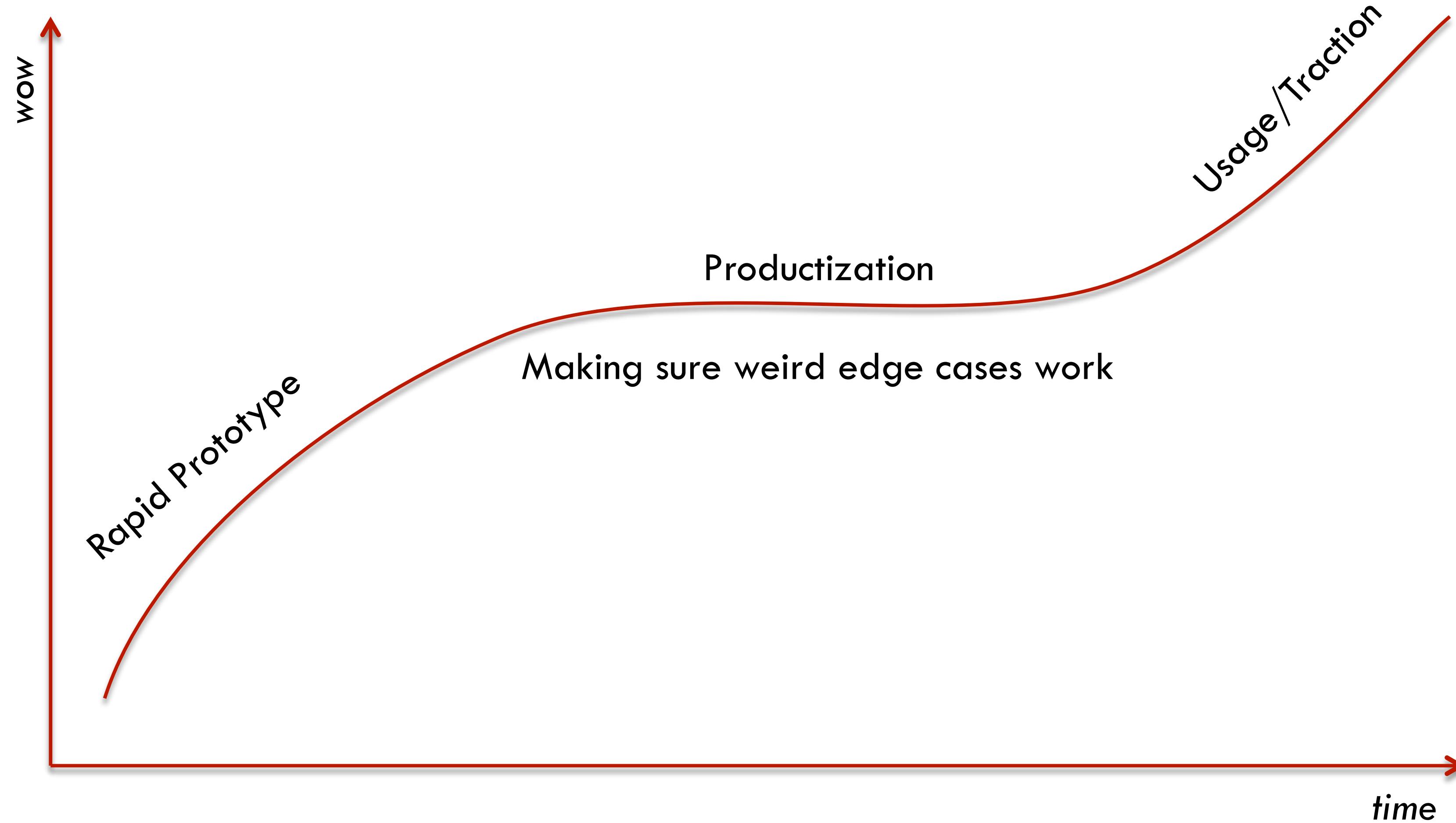
- **Launch a Startup / Make Money**
- **Learn shallowly in a different ecosystem**
- **Use stuff where we can't really help you if you get stuck**
- **Explore new technologies\***
- **Focus on design\***

# Project Meta-categories

- **Tools for developers**
- **Tools for people learning to code / education**
- **Tools for collaboration, communication, organization**
- **Real-time interactions**
- **Data Visualization**
- **Games**
  - (Card, Board, Physics Engines)
- **Browser Extensions**
  - (Browsing Info, Modify Current Sites, Aggregate Information)



# Wow Factor S-Curve





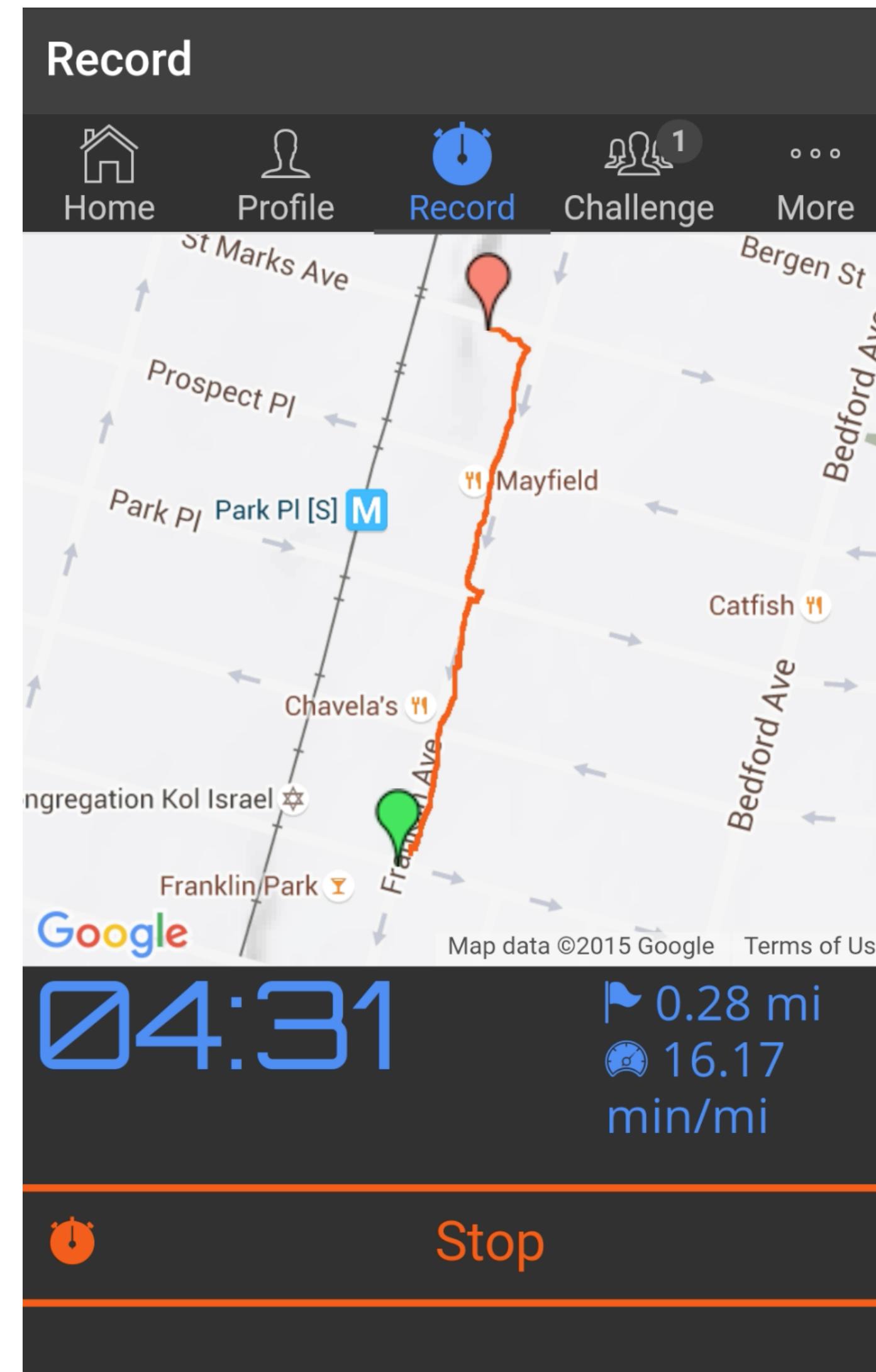
# Project Ambition Matrix

	Low Ambition	High Ambition
Low Risk	<p>Single User Todo List CRUD Apps Connect two APIs</p>	<p>3D Games Multiplayer Games Realtime ML (eg posenet) VR/AR</p>
High Risk	<p>Deploying a mobile app New Non-JS Stacks Complex Multiplayer Games</p>	<p>Server-side User Code Execution 3D Multiplayer Games Hardware</p>

# Project Ideas

- Your team will get a default idea
- As a team, you can reject this idea and come up with one of your own
  - Write your MVP
  - Post in your slack room ( prefixed with 1904cs-)
  - Everyone says "I agree!" in a thread

# Ghost Runner (1509)

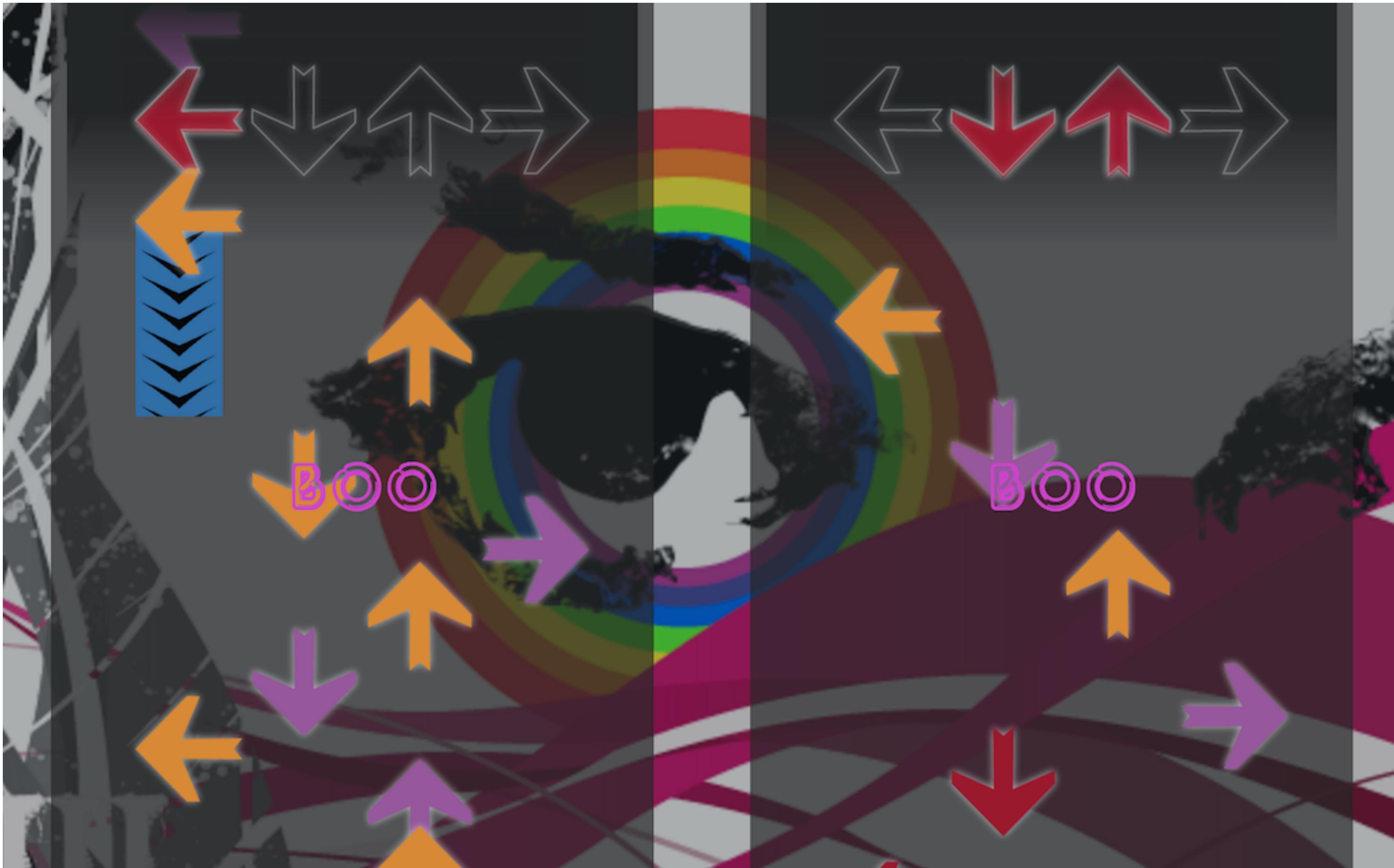


# Grille (1509)

GRILLE ISSUE + djdavidi/my-new-project

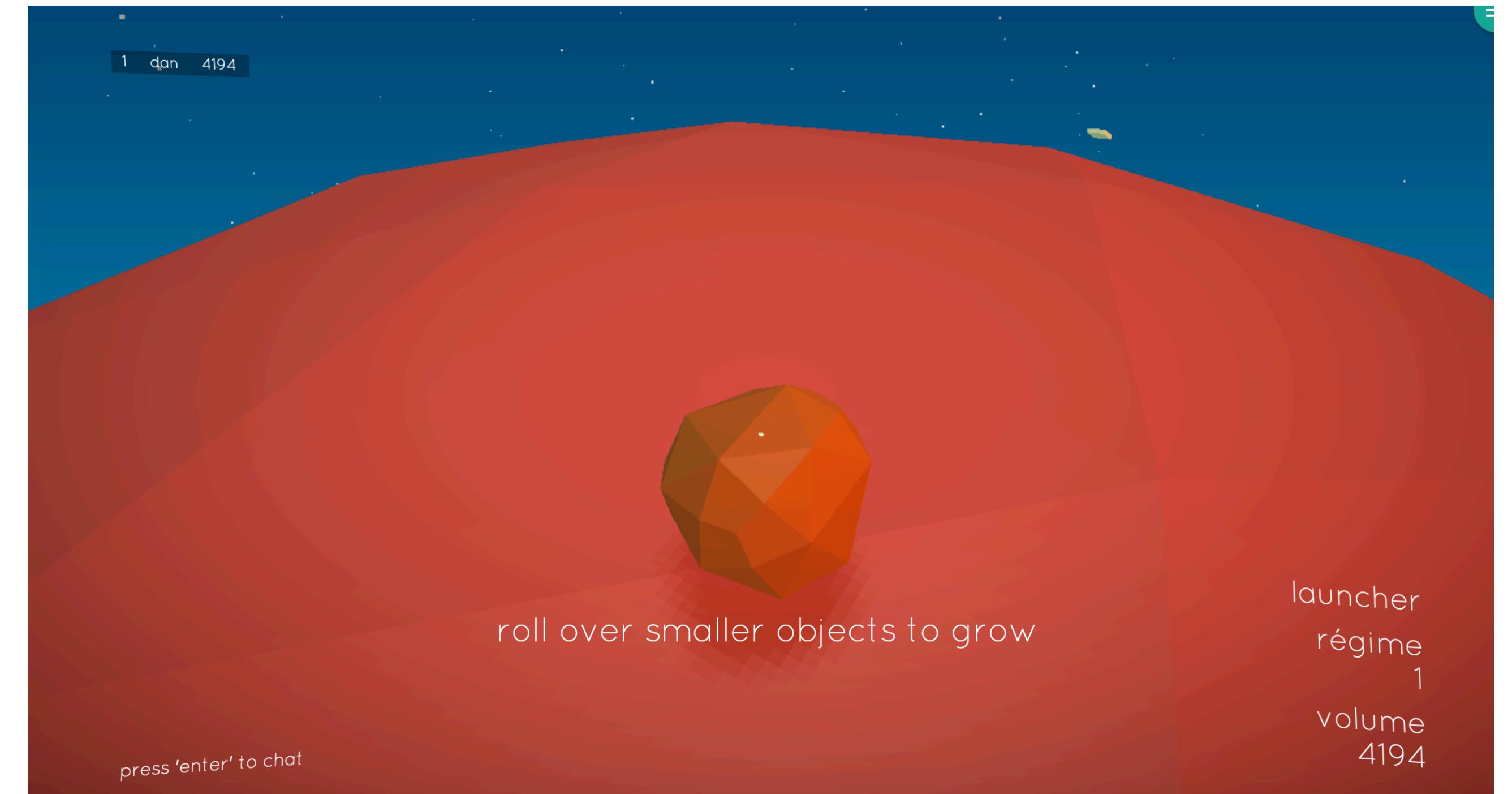
Backlog	Ready	Active	Done
6 Landing Page 	17 Add homepage to navbar 	19 Create new homepage 	13 User profile management 
5 Get google Api keys for the map and 	16 My New Issue 1	14 New Issue 	11 Set up Grille repo 
4 Create logo for the home page 	8 Testing coverage for user 1	20 Make sure to fix the navbar! 2	12 Followers 
3 Create Data and Visualization page for 	15 I have a new problem we need to work 3	10 Sharing Routes 	9 Set up Github repo 
2 Think of a new name for our project! 		7 Basic Express Routes 	
1 Create Database Schemas 		18 Add homepage to navbar 	

# Dance Dance Evolution (1507)



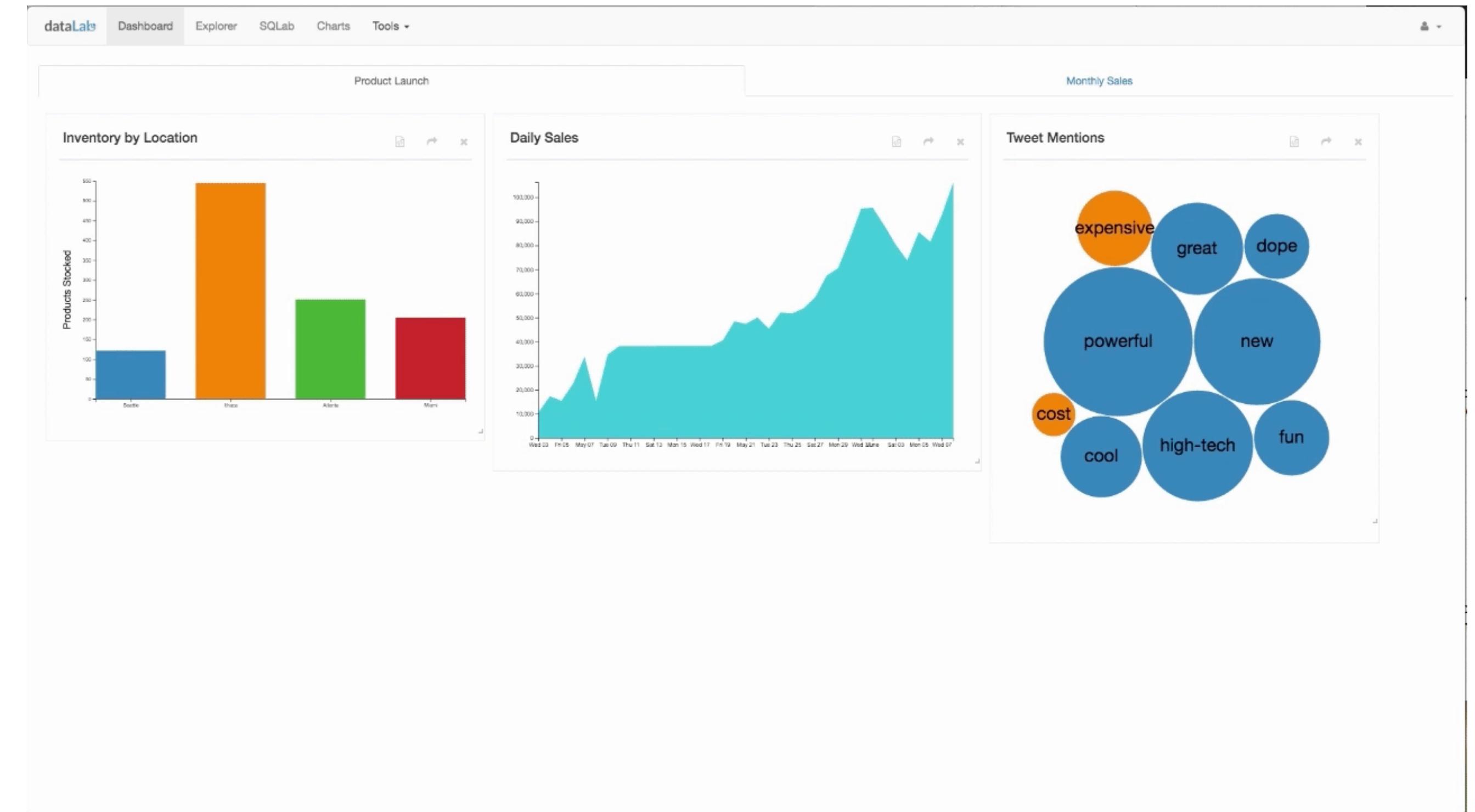
# Agamari (1609)

- Clone of popular game (Katamari Damacy)
- Employed 2x Redux Stores
- Went viral (150 DAP week after Demo Day)



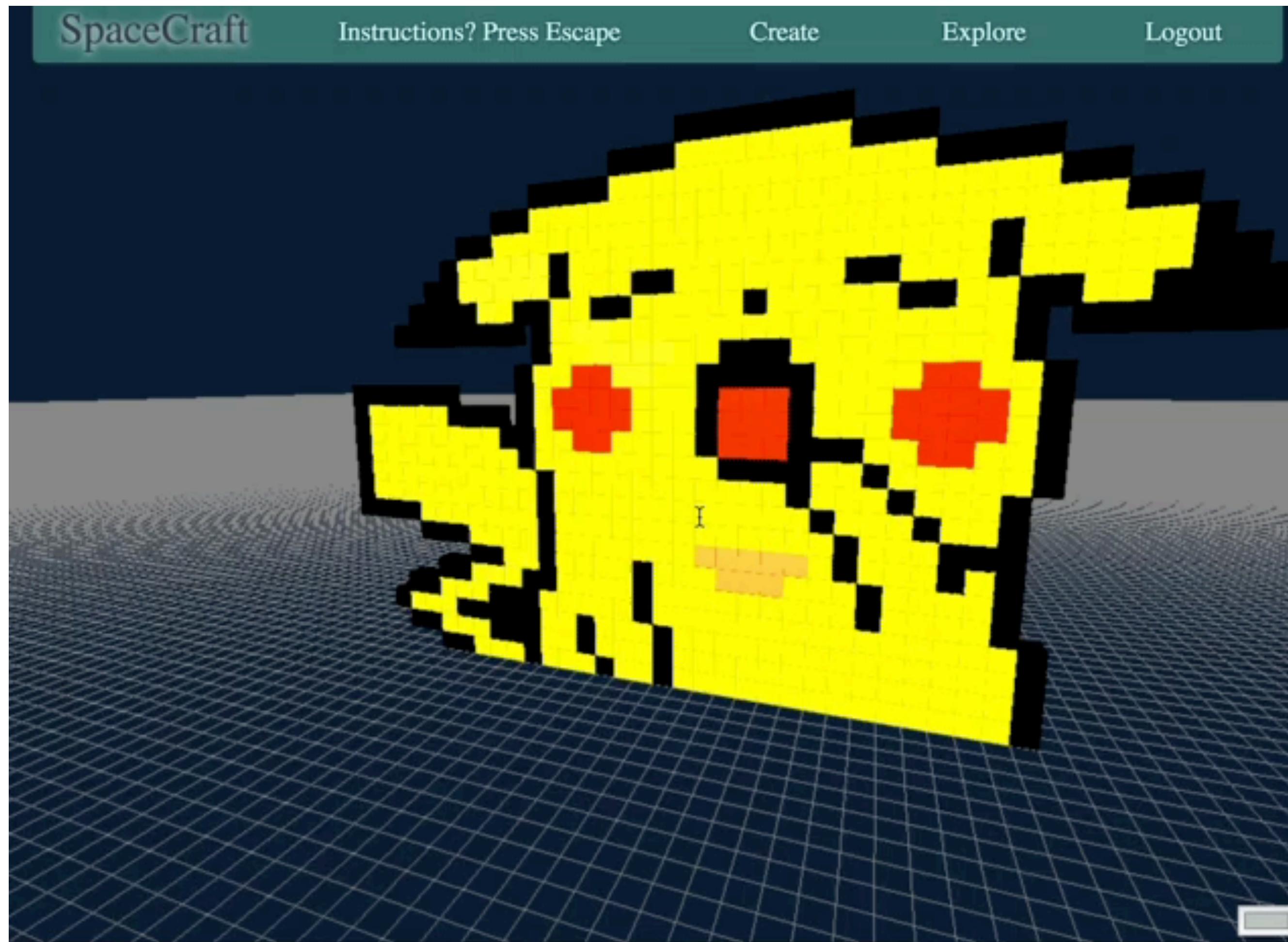
# dataLab (1701GH)

- Platform for creating and sharing realtime data visualizations
- Solves many business-facing problems
- Deep dive into d3



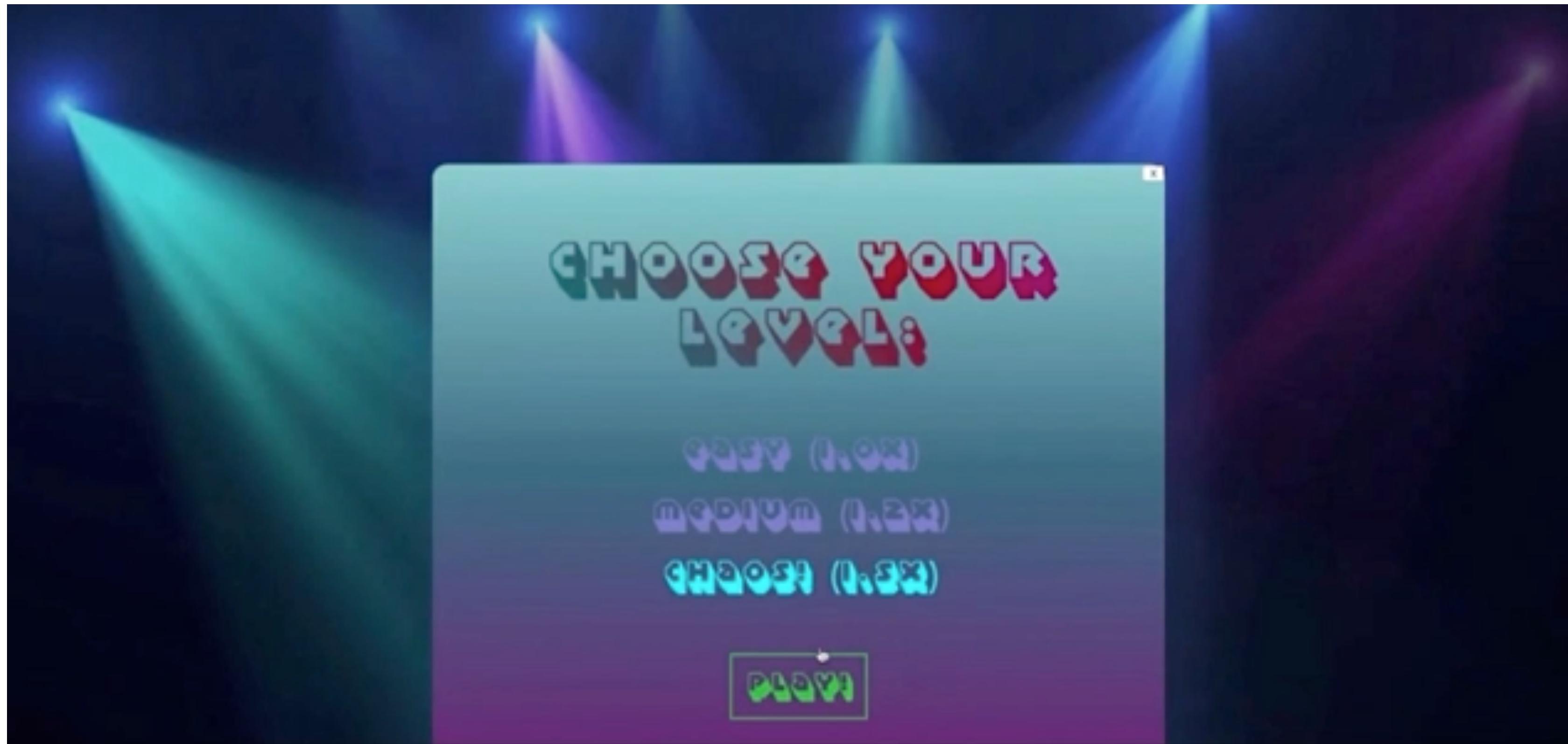
# Spacecraft (1806)

<https://www.playspacecraft.com/>



# Dance Dance Pose (1809)

<https://dance-dance-pose.herokuapp.com>

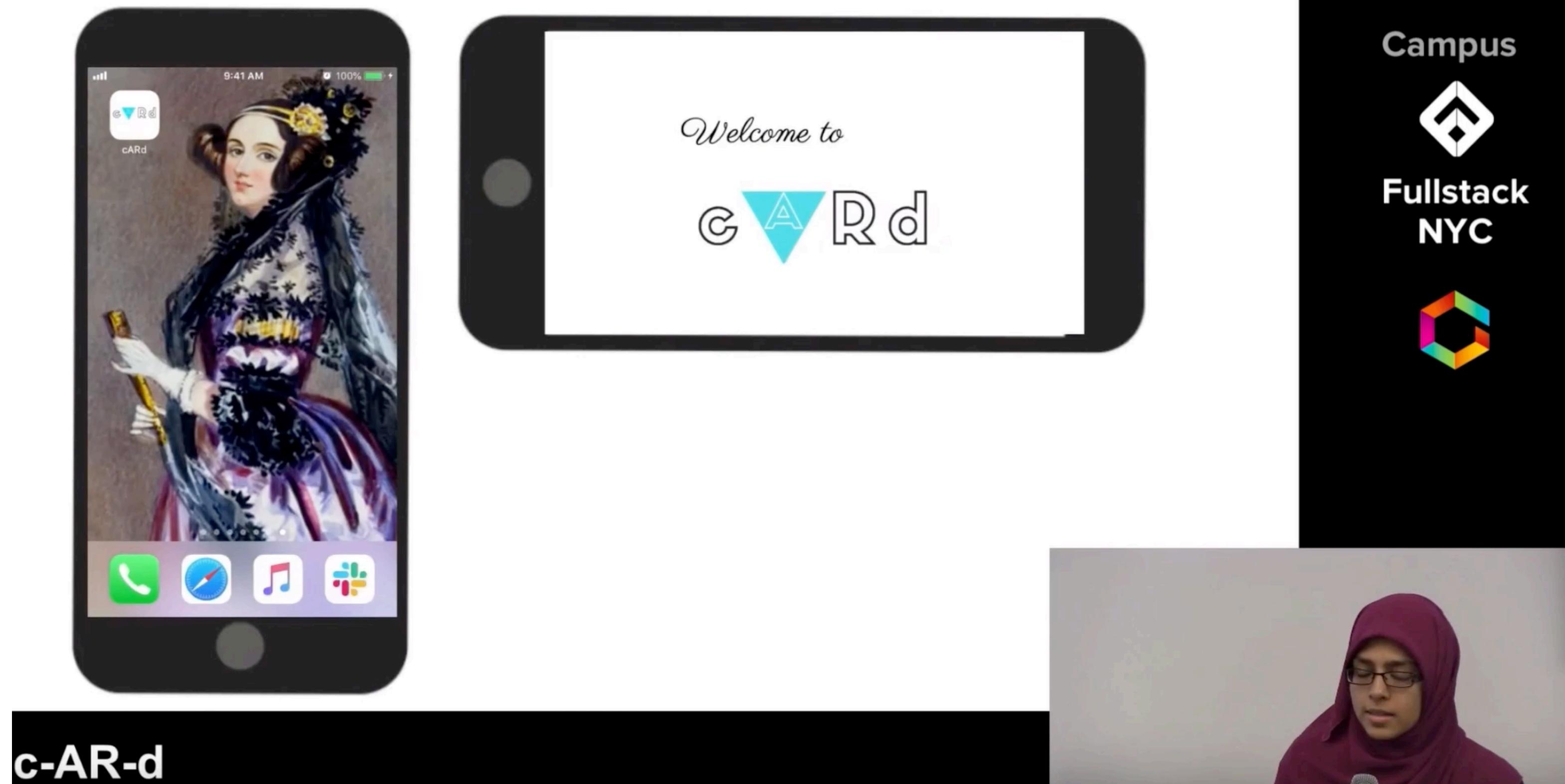


# Airbrush (1810 GH)

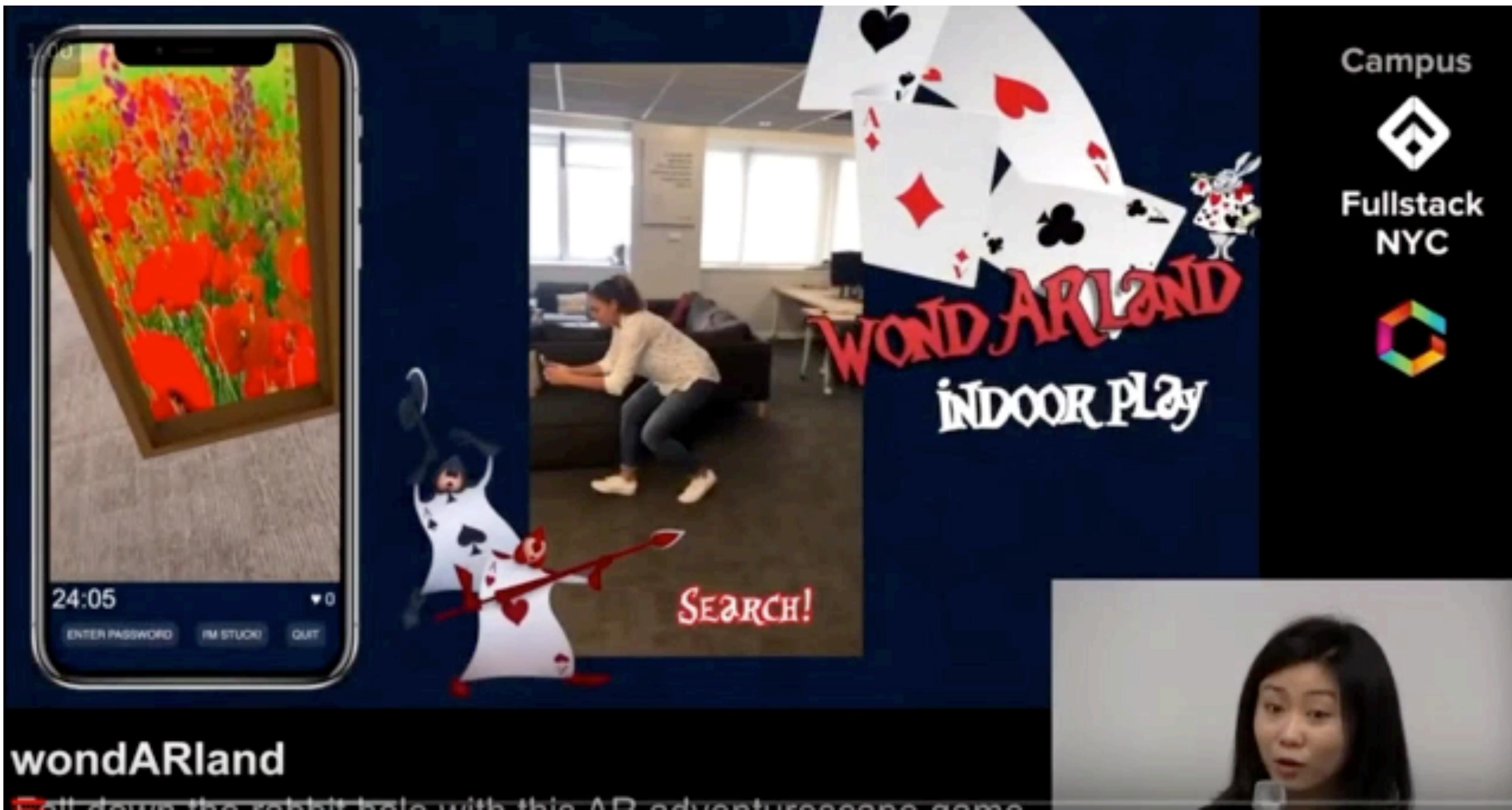
<http://www.airbrush-ai.com>



# c-AR-d (1901 GH)



# WondARland (1902)



# DiveBook (1902)

<http://thedivebook.herokuapp.com/>

The screenshot shows the DiveBook application interface. At the top, there is a navigation bar with the logo "DiveBook 4.00", "DIVER MENU", "GLOBAL", and "NEW LOG". Below the navigation bar, a welcome message says "Welcome Ben!" and indicates he is a member since 2019. It also shows statistics: "11 Logged Dives. Total bottom time: 6 hours." and "41 Sightings." To the right of the stats, there are two small fish icons. Below these, under the heading "Badges:", there are three entries: "Aquaman – Dived beyond 30 meters", "Voyager – Dived in over 10 places", and "Juvenile – Logged at least 10 dives", each accompanied by a yellow badge icon. At the bottom of the main content area, there is a black bar with the "DiveBook" logo. To the right of this bar, there is a small video frame showing a person's face.

# Let's brainstorm!