
VBoard

Making web dashboards in 3D and VR

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<https://dlumbrer.github.io/VBoard>

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Apache - Total Visitors

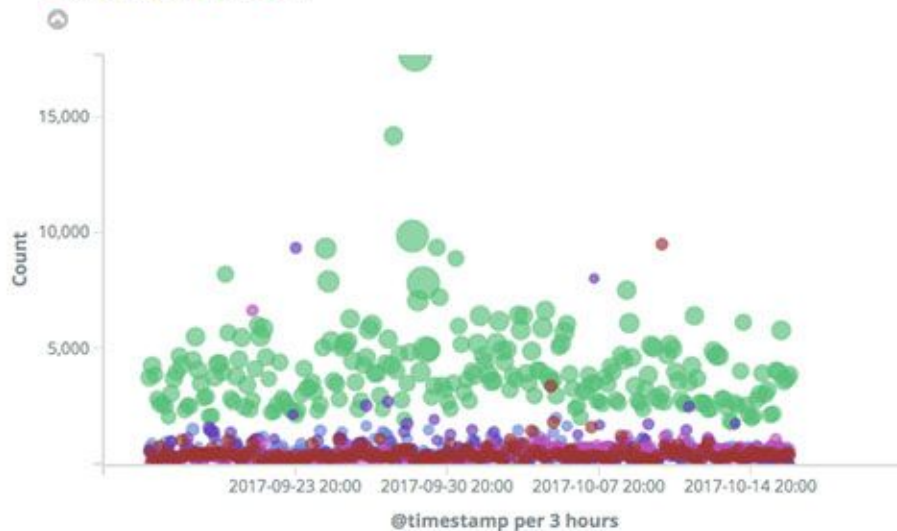
2,317,838

Apache - Unique Visitors

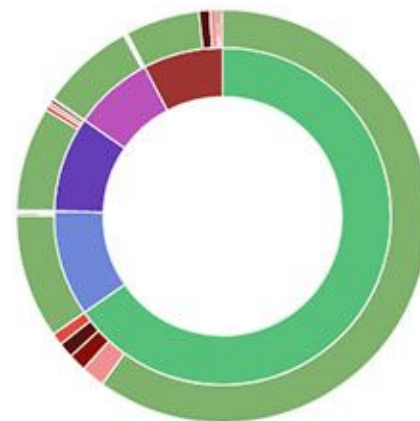
29,740

Apache - Bytes and Count

US FR DE NL CN



Apache - Country and Status

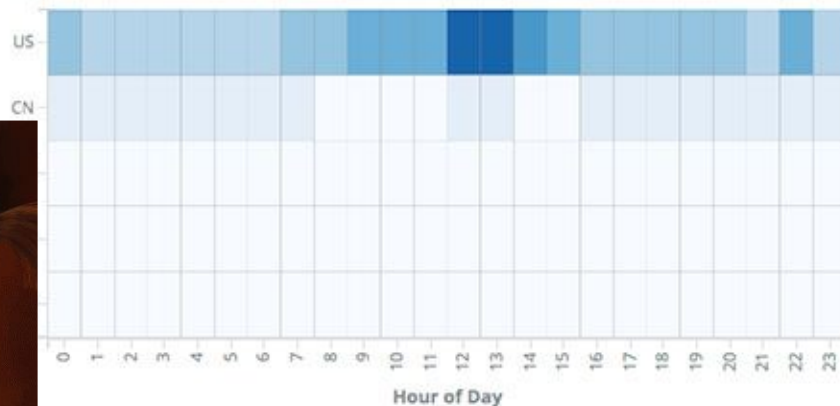


Apache - Unique Visitor...

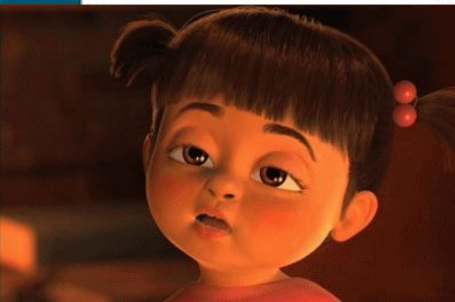
Apache - Country traffic by hour

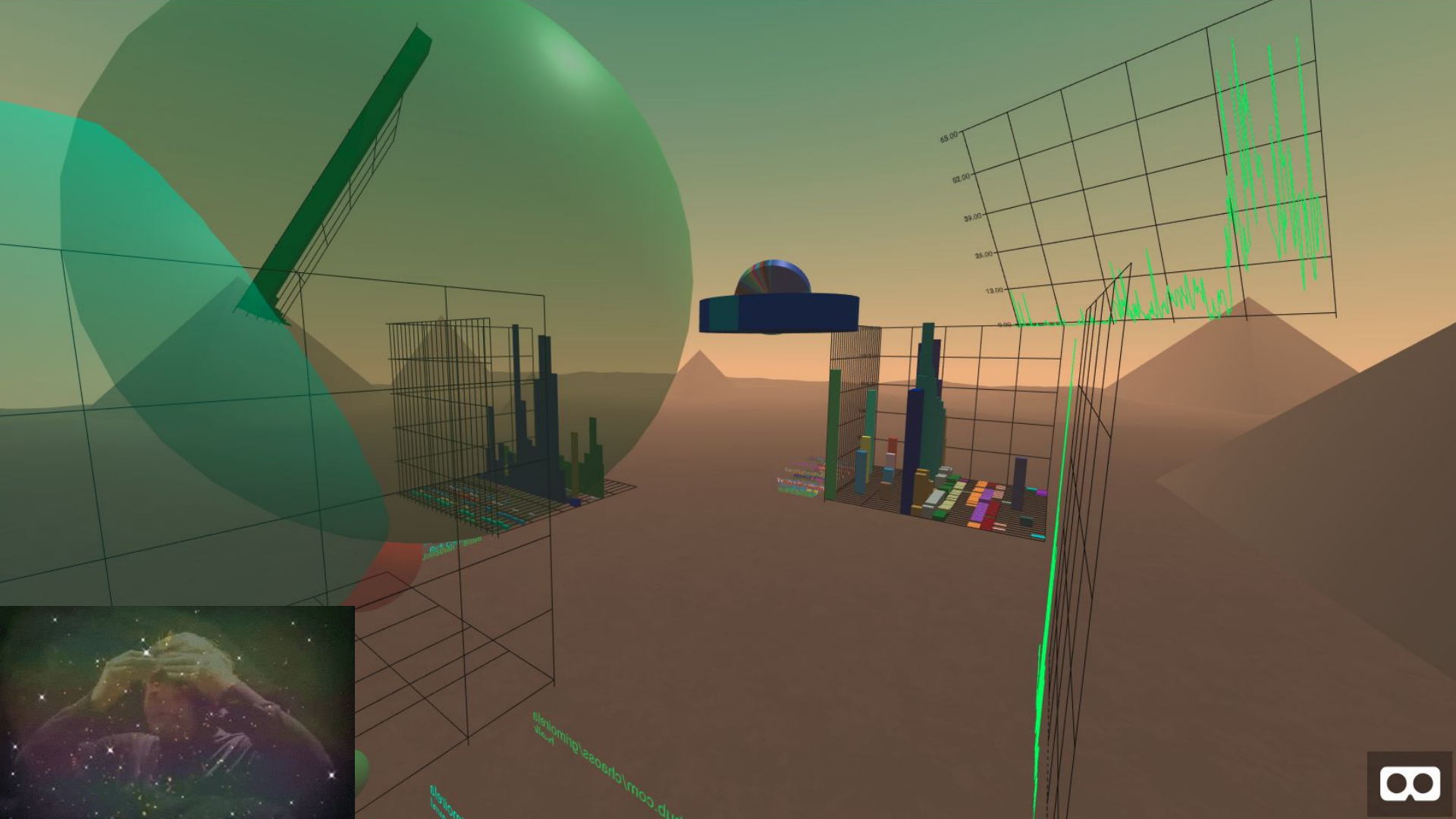
Count of Unique Clients

City



Apache - Top OS small





/open

Existing tools

—————▶ **Proprietary**

/open

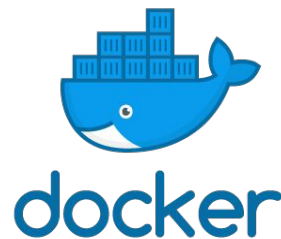
Existing tools

—————→ **Proprietary**

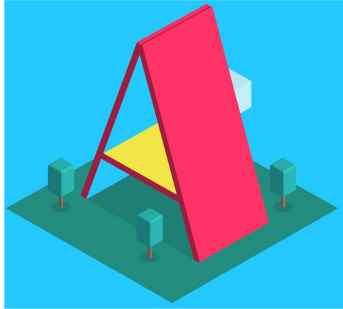


Known frameworks
High Level
Web environment
Avoid Walled Garden

Complex system of data visualization in 3D and VR



/introduction



```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>Hello, WebVR! • A-Frame</title>
```

```
<meta name="description" content="Hello, WebVR! • A-Frame">
```

```
<script src="https://aframe.io/releases/0.8.2/aframe.min.js"></script>
```

```
</head>
```

```
<body>
```

```
<a-scene background="color: #ECECEC">
```

```
<a-box position="-1 0.5 -3" rotation="0 45 0" color="#4CC3D9" shadow></a-box>
```

```
<a-sphere position="0 1.25 -5" radius="1.25" color="#EF2D5E" shadow></a-sphere>
```

```
<a-cylinder position="1 0.75 -3" radius="0.5" height="1.5"
```

```
color="#FFC65D" shadow></a-cylinder>
```

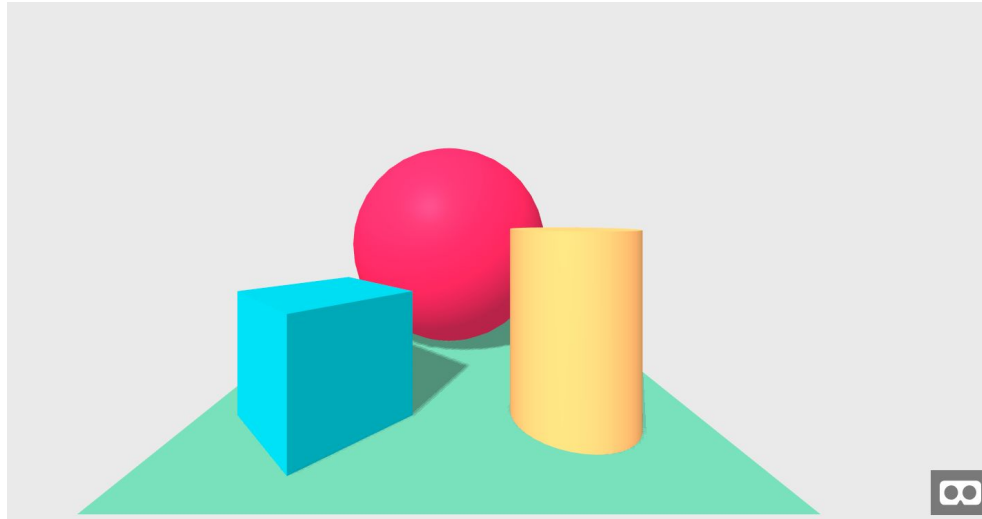
```
<a-plane position="0 0 -4" rotation="-90 0 0" width="4" height="4"
```

```
color="#7BC8A4" shadow></a-plane>
```

```
</a-scene>
```

```
</body>
```

```
</html>
```



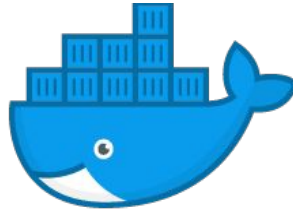
<https://aframe.io/>

Repository



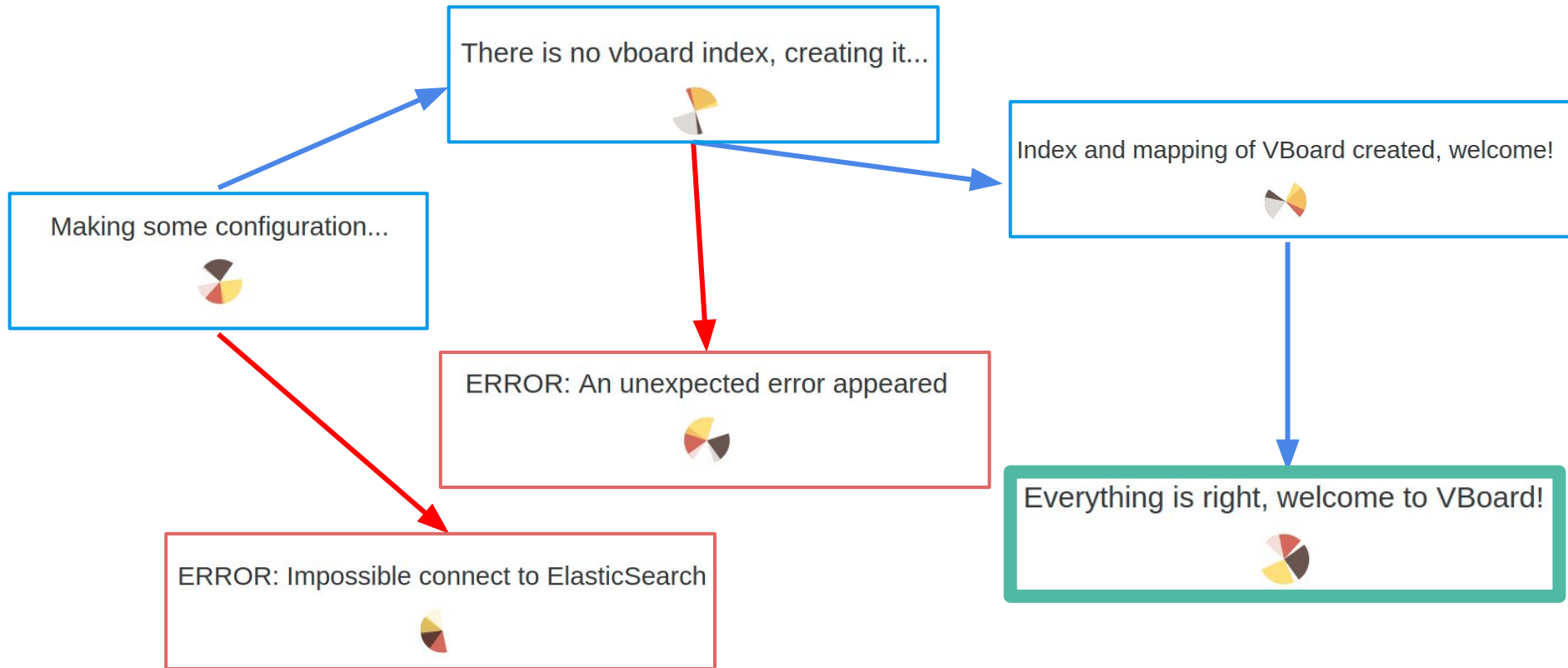
Releases

Docker



Repo: <https://github.com/dlumbner/VBoard>

/init



Index: git

Type: items

Show Mapping

Select chart

VisType: Pie

Select Data

Cancel

Metrics:

Principal metric

Type: Count

Buckets:

Principal bucket

Type: Terms Field: Author_name

Size: 5

Play

Cancel

Show response (JSON)

Save visualization

Load visualization



/structure

VBoard	Visualize	Dashboard	Show
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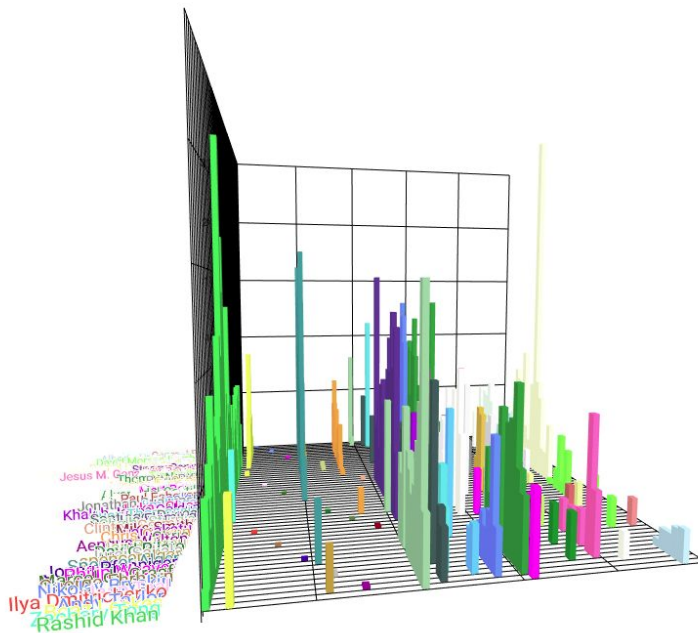
Bars height

Buckets:

Z-Axis

Type: Terms Field: Author_name

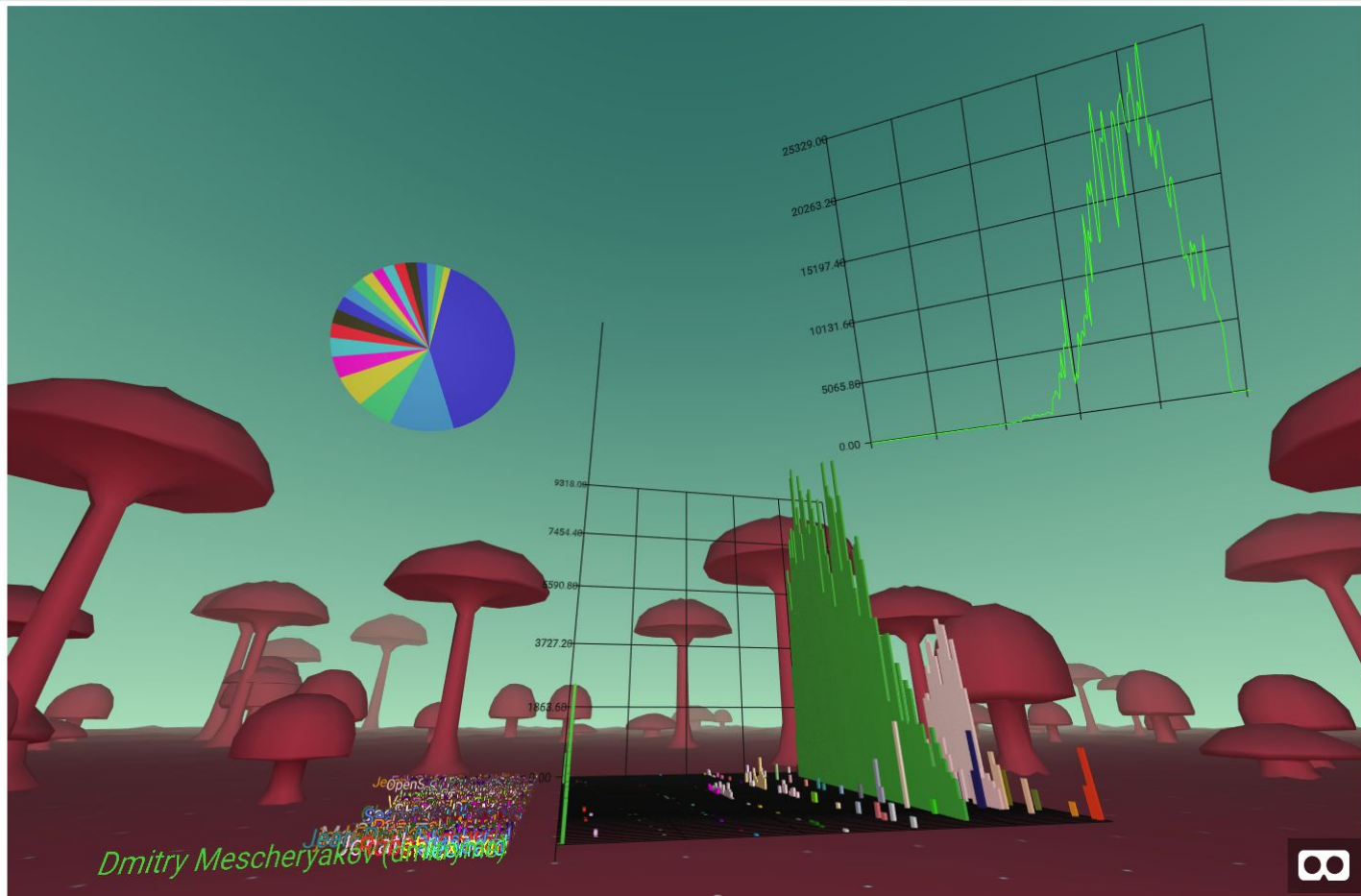
Size: 5

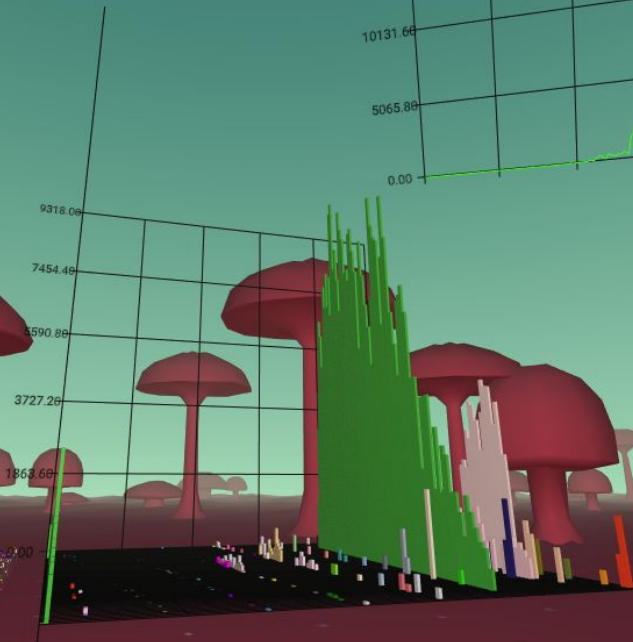
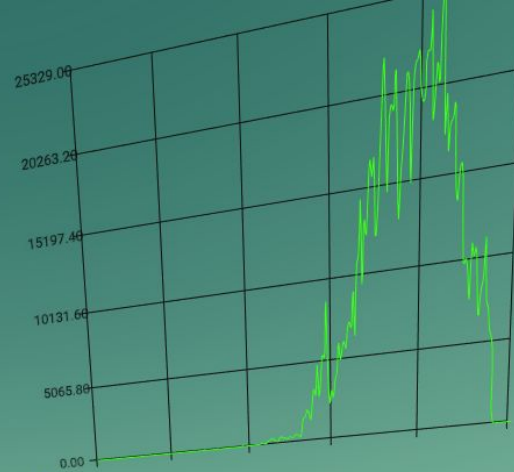
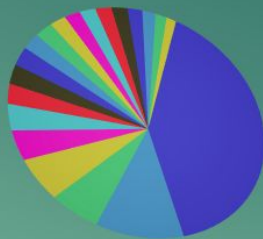


Time evolution of git commits per author	3DBars
Openstack	
bubbles with height number of commits, radius sum of files in time evolution of repositories	bubbles
Openstack	
Orgs git	pie
GrimoireLab	
PR submitters vs time	3DBars
GrimoireLab	
Evolution time of gerrit	bars
Openstack	
Time evolution of number of commits	curve
Openstack	
Time evolution of gerrit changeset by status	3DBars
Openstack	
Count, avg files, authors repo	bubbles
GrimoireLab	
Top 20 organizations by commits	pie
Openstack	
Top 20 projects Git	pie
Openstack	

Save Dashboard

Load Dashboard

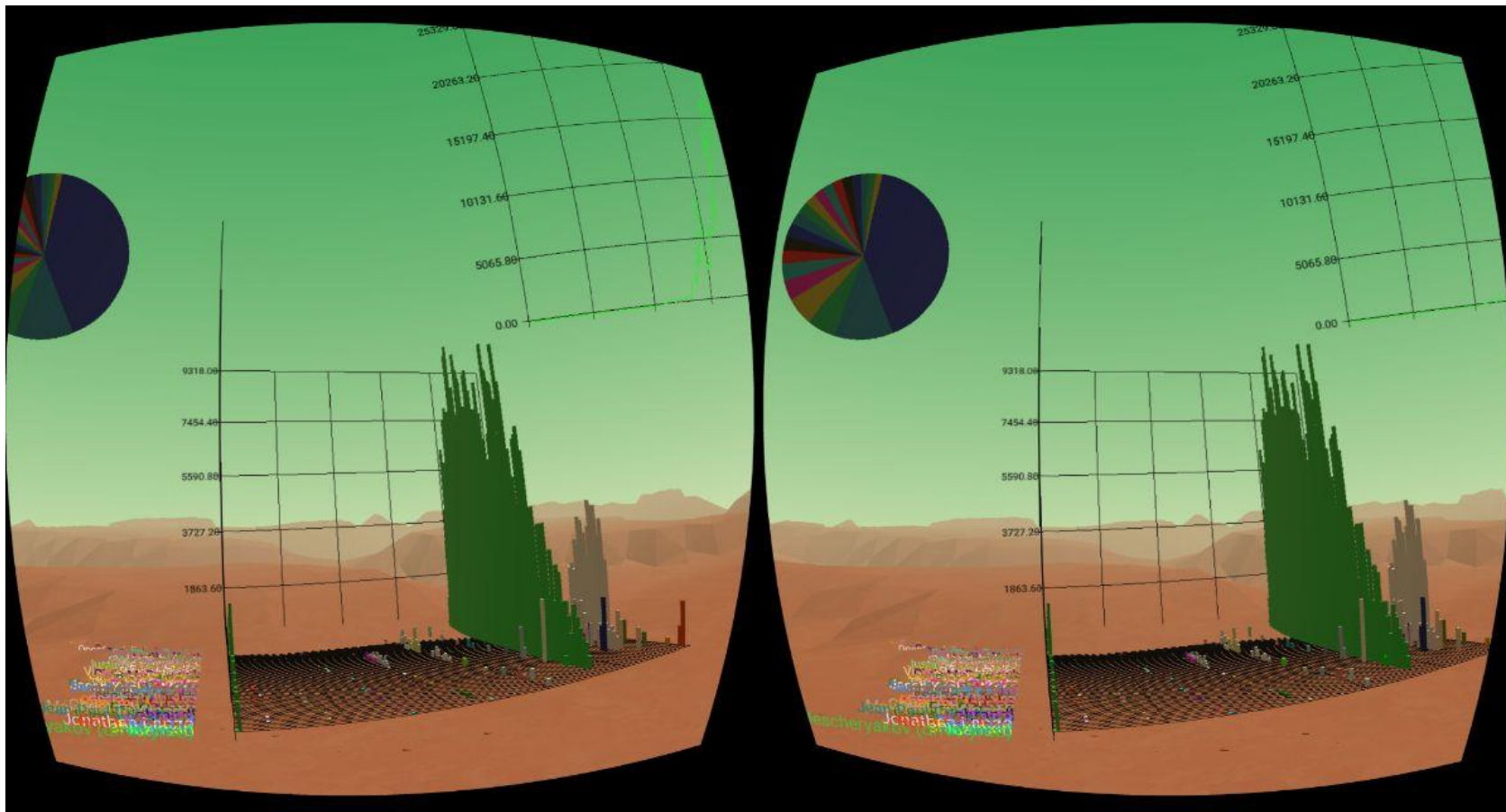




Dmitry Mescheryakov (dmesch)



/VR or full
screen



/customize

Change environment

Rotation of the charts

Free movement

Interaction

Augmented Reality (AR)

And... (future)

Scale..

More interaction...

Platform...



<https://dlumbrer.github.io/VBoard>

/demoVR

GrimoireLab data



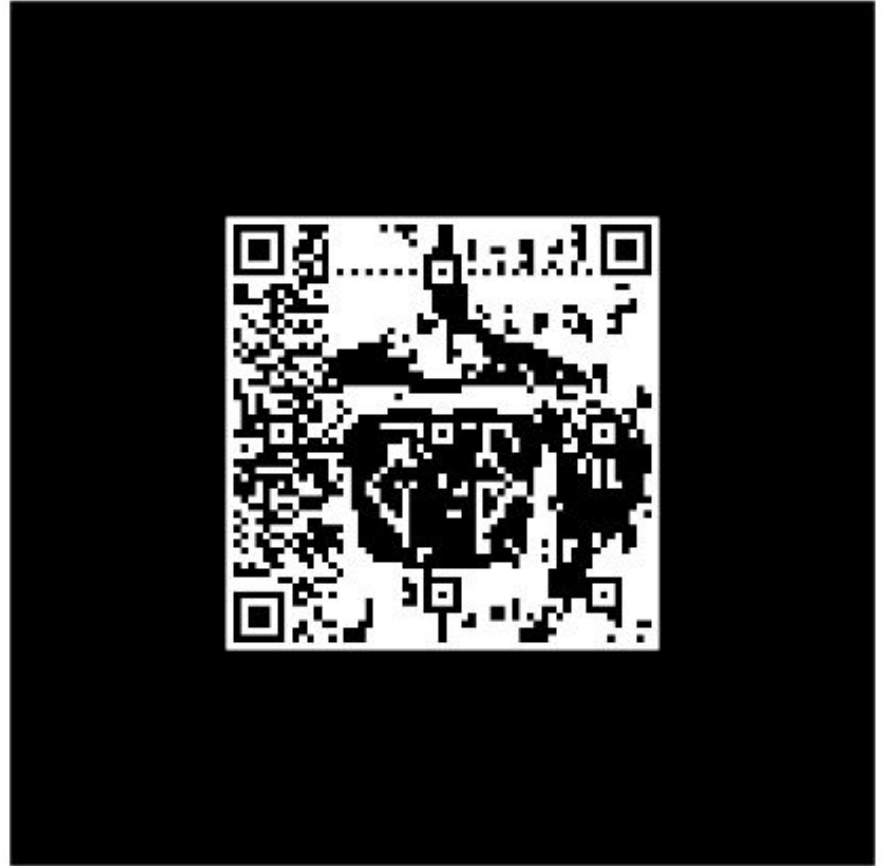
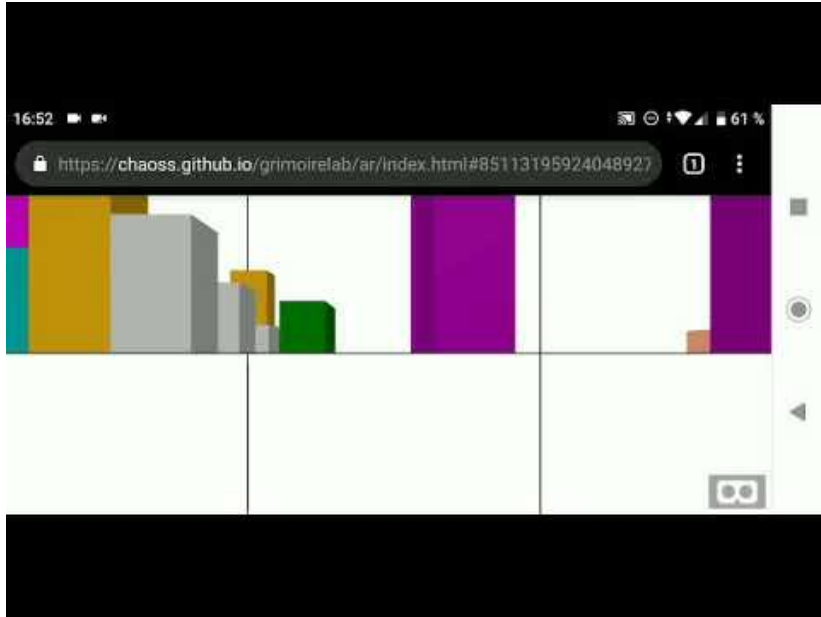
Bitergia data



Openstack data



/demoAR



VBoard is hosted on GitHub: <https://github.com/dlumbrer/VBoard>

GPL-3.0 License

README.md with general information and installation steps

USER_GUIDE.md with the user guide of the application

Docker images on Docker-hub: <https://hub.docker.com/r/dlumbrer/vboard/>

dlumbrer/vboard:afamedc for the A-FrameDC version

dlumbrer/vboard:threedc for the ThreeDC version

How to generate 100% libre and open source QR's and markers for AR:

<https://jgbarah.github.io/aframe-playground/ar-02/>

More tutorials for A-Frame at <https://jgbarah.github.io/aframe-playground>

About


GrimoireLab

Bitrergia

Data retrieved using
GrimoireLab




<https://chaoss.github.io/grimoirelab/>


Bitergia

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Software Development Monitoring Made Easy

Bitergia solves any question you might have about your software development processes




Activity

What? How many?




Size

How big? How many?




Performance

How fast? Average time?




Demography


How old? New one? Inactive ones?



Diversity

Where from? Organizations? Gender?





Thanks!

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<https://dlumbrer.github.io/VBoard>

