3D Perspective Effects on a Smartphone

Jai

Jenna

Fire Phone

Peek to show Yelp ratings in Maps

Peek to show Yelp ratings in Maps

4 cameras

Virtual Window

KINECT

Why?

- Reactive UI
- Better gaming experience
- 3D maps
- Augmented reality
- Transparent displays
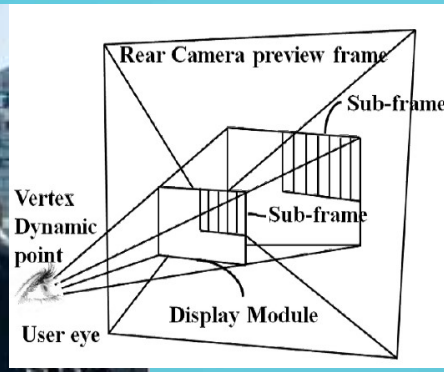- The Immersive cat picture viewing experience™

Indirect AR   Direct AR   Previous Project

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┌──────────┐   ┌──────────┐   ┌──────────┐   ┌──────────┐   ┌──────────┐
│  Front   │   │   Tab    │   │ Viewing  │   │ Inertial │   │   Rear   │
│  Camera  │   │          │   │ Distance │   │ Sensors  │   │  Camera  │
└────┬─────┘   └────┬─────┘   └────┬─────┘   └────┬─────┘   └────┬─────┘
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E.K.F.

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┌──────────┐   ┌──────────┐   ╭──────────╮   ┌──────────┐   ╭──────────╮
│   Face   │──▶│ Viewing  │──▶│ Dynamic  │⋯▶│Orientation│⋯▶│Transparent│
│Detection │   │  Angle   │   │Perspective│   │          │   │ Displays │
└──────────┘   └──────────┘   ╰──────────╯   └──────────┘   ╰──────────╯
```
K.F.