ImageGEO: A collaboration between NLT and GA's Team Street View

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Lightning points

- Inspiration
- Usage scenario
- Live demonstration
- Under the hood
- Further improvements
- Takeaways

Inspiration and background

Hurricanes (Florence, Michael) | Flash flooding (Ellicott City) | California wildfires

Usage scenario

Disaster field agent

On the field assessment

- Speed
- Limited resources
- On or off-line
- Existing databases/APIs
- Shared and aggregated

Crowd-sourcing

Open app to public

- Self-reported images
- Bigger and faster
- Incentivized
- Dealing with incorrect info?

Live demo

Single image file and address line demo:

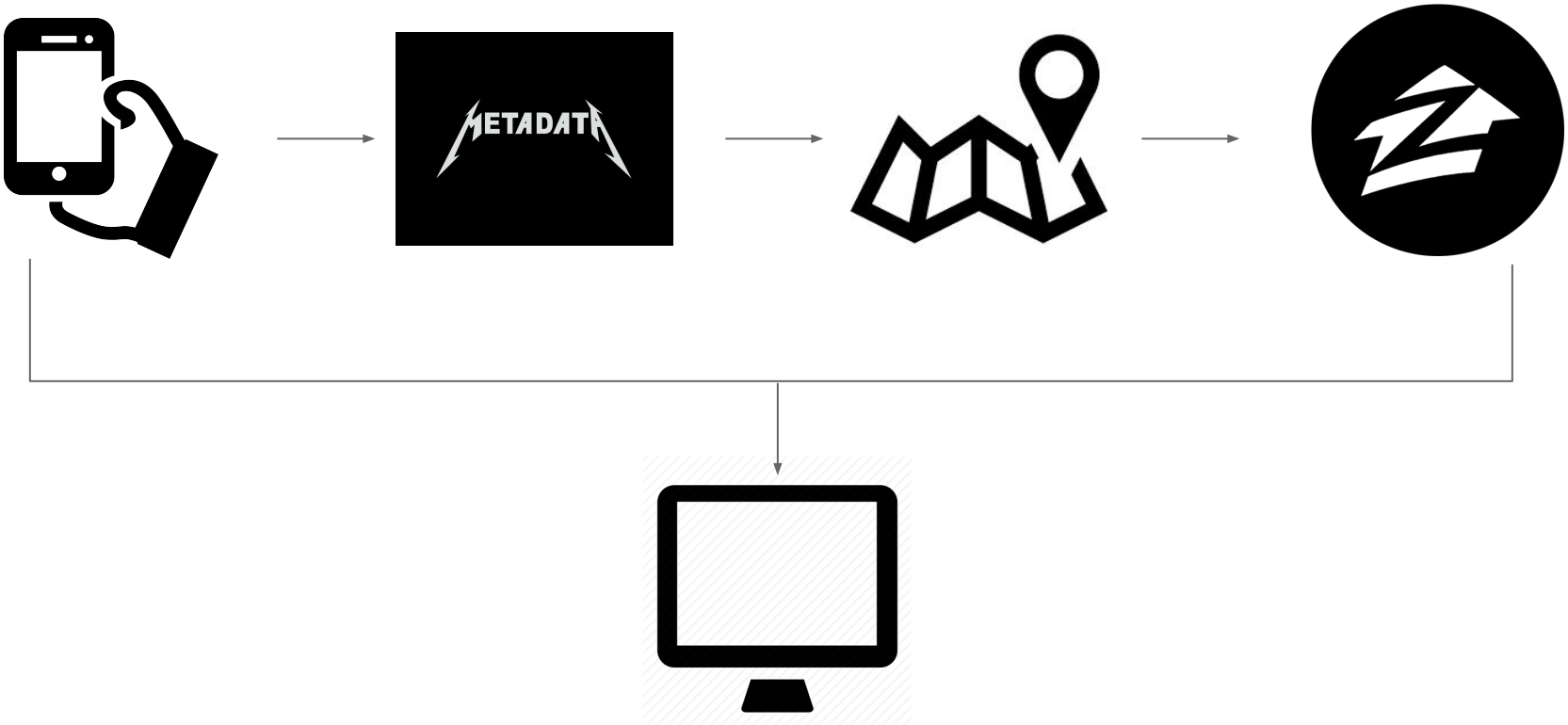
flask app

Live demo

Batch image file and mapping demo:

Dash app

Under the hood



Further improvements

Code improvements

- Location Mismatch
- Satellite image integration
- Image Matching
- Cross-platform functionality

App Improvements

- One stand-alone app
- Work with Web Developers and UX developers
- SQL integration

Partnerships

- Zillow
- Google

Takeaways

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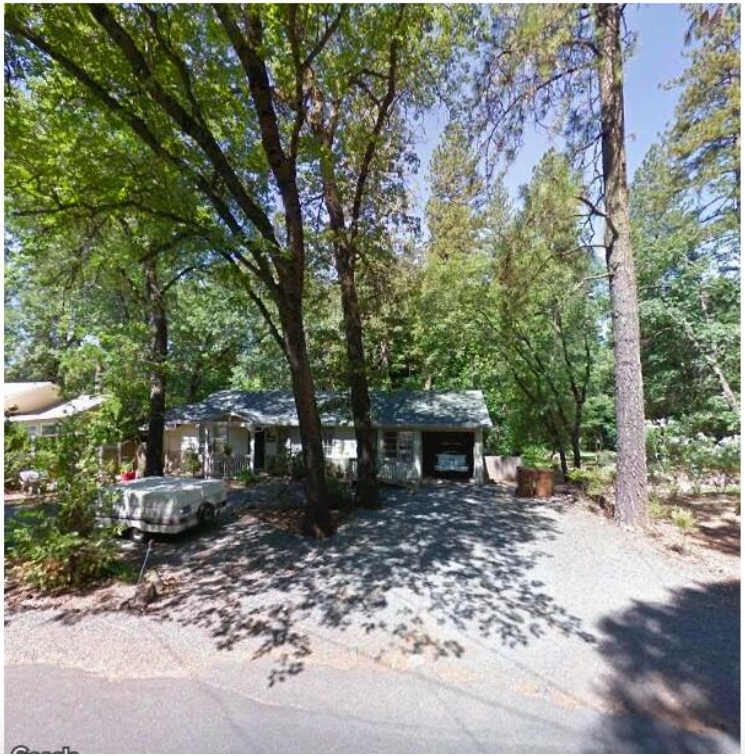

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