Week 2 Progress Report

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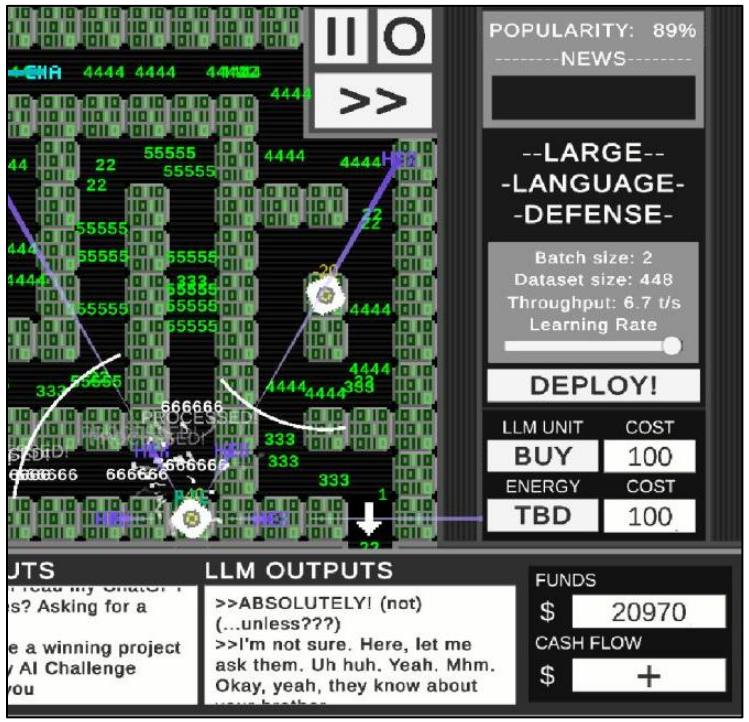
(1. Introduction **(2.** Project Timeline

(3. Current Progress

PennState




POPULARITY: 89%
--------NEWS--------
--LARGE--
-LANGUAGE-
-DEFENSE-
Batch size: 2
Dataset size: 448
Throughput: 6.7 t/s
Learning Rate
DEPLOY!
LLM UNIT
COST
BUY
100
ENERGY
COST
TBD
100
LLM OUTPUTS
>>ABSOLUTELY! (not) (...unless???)
>>I'm not sure. Here, let me ask them. Uh huh. Yeah. Mhm. Okay, yeah, they know about
FUNDS
$ 20970
CASH FLOW
$ +





Project: Geolocation for the WRIVA Challenge



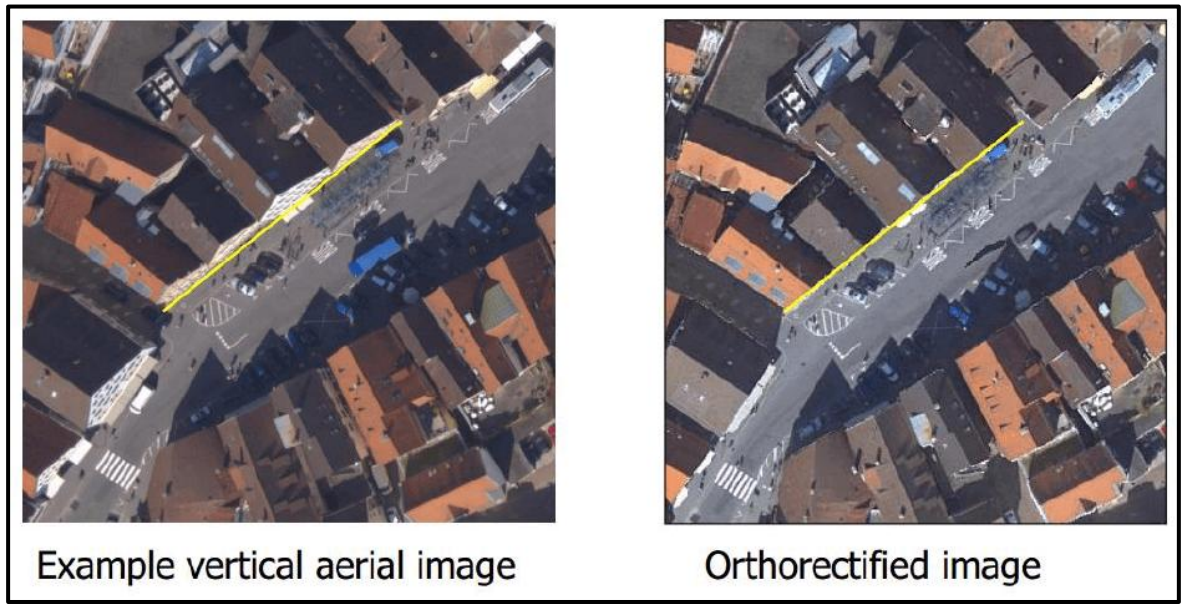
https://geopera.com/blog/what-is-satellite-imagery



{ 77.23, 83.112 } ?

{ 73.23, 80.112 } !

https://www.winetraveler.com/italy/best-things-to-do-in-venice-city-guide/



https://geoawesome.com/eo-hub/why-orthorectification-is-key-for-real-world-terrain-mapping-and-how-to-use-it/

Geolocation for the WRIVA Challenge

W2: Inference + Evaluation of baseline model

W3: Configure + Evaluate X-VGGT on WRIVA Challenge **(Submission 1)**

W4: X-VGGT failure analysis

W5: Fine-tune X-VGGT for WRIVA Challenge

W6: Train Probabilistic Alignment Head

W7: Fine-tune X-VGGT+ model

W8: Compare X-VGGT+, improve results

W9: Loop: Submit to leaderboard, iterate model

W10: REU report, challenge deadline **(7/31)**

Week 2 progress: ahead of schedule

1. **Run Inference + Evaluation on Baseline**

- Model: JHU APL WRIVA CVGL Baseline
- Dataset: WRIVA-CVGL-DEV

(2. Analyze, Understand Results

- Completion Time: Today or Wednesday

Week 2 progress: ahead of schedule

VGGT Paper:
DONE

X-VGGT Paper:
ONGOING

X-VGGT Codebase:
WEDNESDAY (?)