

 realtor.com®

Dream Designer

Redesign the home of your dreams!

Anjali Thomas, Mike Balajewicz

Summary

We envision a suite of realtor.com “dream” AI products:

- ▶ Dream Home

AI-powered search and discovery

Personalized results

- ▶ Dream Designer

AI-powered design and visualization

Personalized designs

- ▶ Dream ...

AI-powered ...

Personalized ...

Summary

We envision a suite of realtor.com “dream” AI products:

- ▶ Dream Home

- ↪ Create the house of your dreams
- ↪ We'll help find it for real

- ▶ Dream Designer

- ↪ Design your dream home
- ↪ Find the right location

- ▶ Dream ...

- ↪ Dream ...
- ↪ Dream ...

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We envision a suite of realtor.com “dream” AI products:

- ▶ Dream Home
 - ↪ Create the house of your dreams
 - ↪ We'll help find it for real
- ▶ Dream Designer
 - ↪ Create the interior of your dream home
 - ↪ Find the right contractor to build it
- ▶ Dream ...
 - ↪ Create the exterior of your dream home
 - ↪ Find the right contractor to build it

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... and more

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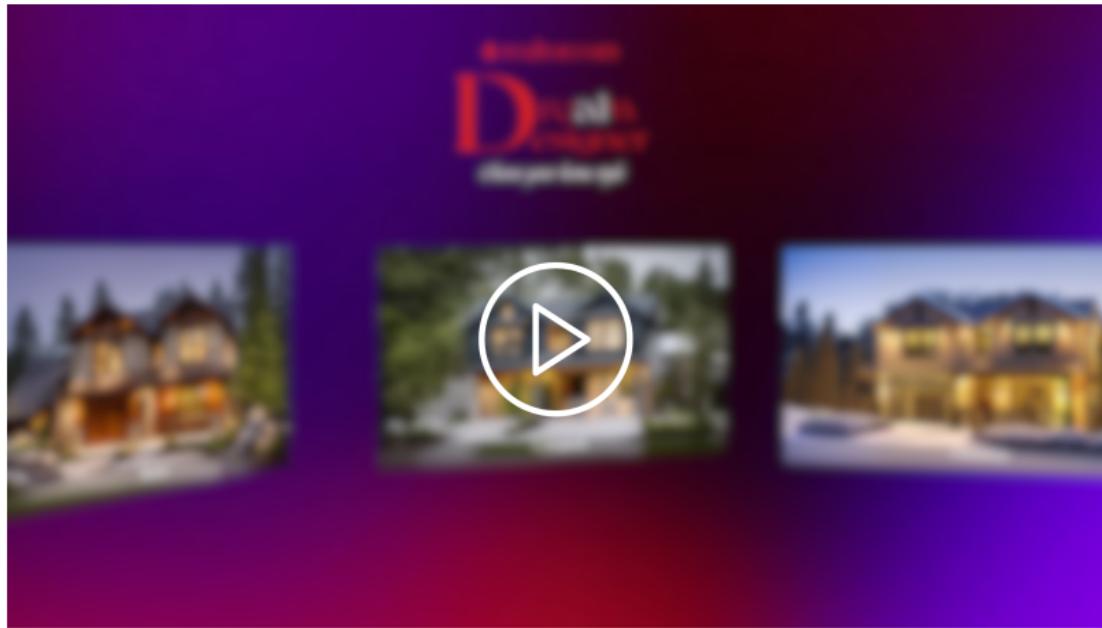
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Demo: https://github.com/Opcity/ml/tree/anjali/hackathon_home_designer/projects/dream_designer



Dream Designer

Use AI to redesign rooms and remodel home exteriors:

- ▶ Several services currently available:
 - ▶ <https://www.roomsGPT.io>
 - ▶ <https://interiorai.com>
- ▶ Offer experience on LDP
 - ▶ <https://www.interiorai.com/life/>
- ▶ Offer experience on "My Home"

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Do you own this home? X



3307 4th St
Boulder, CO 80304
5 bed • 3.5 bath • 4,453 sqft
9,606 sqft lot

As a registered homeowner:
 Get real-time home value reports
 Compare your home to others in your area
 Keep your home's details up-to-date
 Explore different ways to sell

[No, go back](#) [Yes, I own 3307 4th St](#)

Dream Designer

Limitations and future work:

- ▶ All images are cached; we are not querying the API's in real time
- ▶ We are primarily interested in the user experience, not implementation or productionalization details
- ▶ Some technical issues on the horizon:
 - ▶ How do we handle multiple users? (e.g., how do we cache images)
 - ▶ How do we handle multiple users? (e.g., how do we handle user input)

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 - ▶ How do we handle multiple images?
 - ▶ How do we handle multiple dimensions?
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(a) Original



(b) AI render

Figure 1: roomsGPT performance

Thank You!