XPlore UCSD

YOUR OWN **UC SAN DIEGO** VIRTUAL TOUR GUIDE

01
Problem Statement

Visiting
UC San Diego

"A must-go for tourists visiting San Diego"
"A dream-come-true for all the prospective students"
"193,794 alumni worldwide"

- **Top-ranked** public research university
- Exceptional **educational resources** covering a wide range of majors
- Amazing representation of the world-famous **Brutalist architecture**
- Located near the elegant **La Jolla Shores**
- Many, many more…

02 Current Solution

UCSD Triton Tour

Pros

Guided by Tour Leaders

An interactive experience where you always have someone to talk to & ask questions.

Personal Experience

The tour leaders will share their own personal experiences - learn more from an insider.

Worry-free

The visitors only need to follow & listen; no maps or brochures required.

Cons

Fixed Schedule

One single trip offered per day - from 10 AM to 12 PM

Limited route options

All Triton Tours takes the same route around the campus

Non-stop

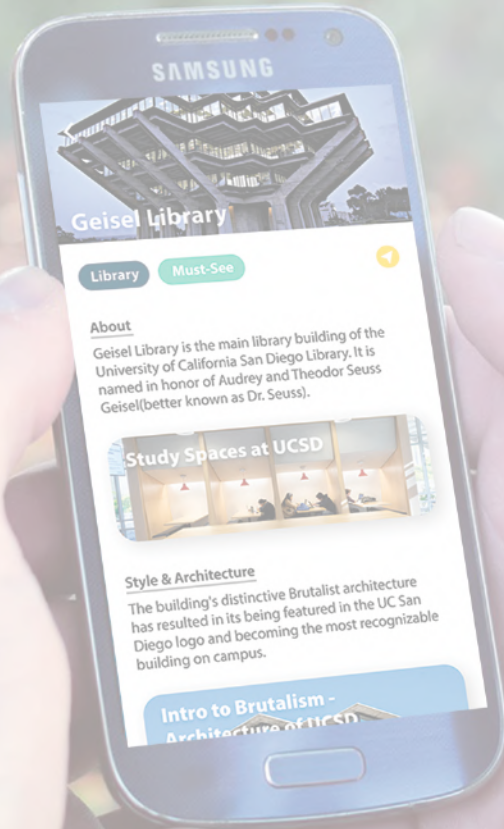Triton Tour leaders do not wait for visitors taking photos/ using restrooms

Speech only

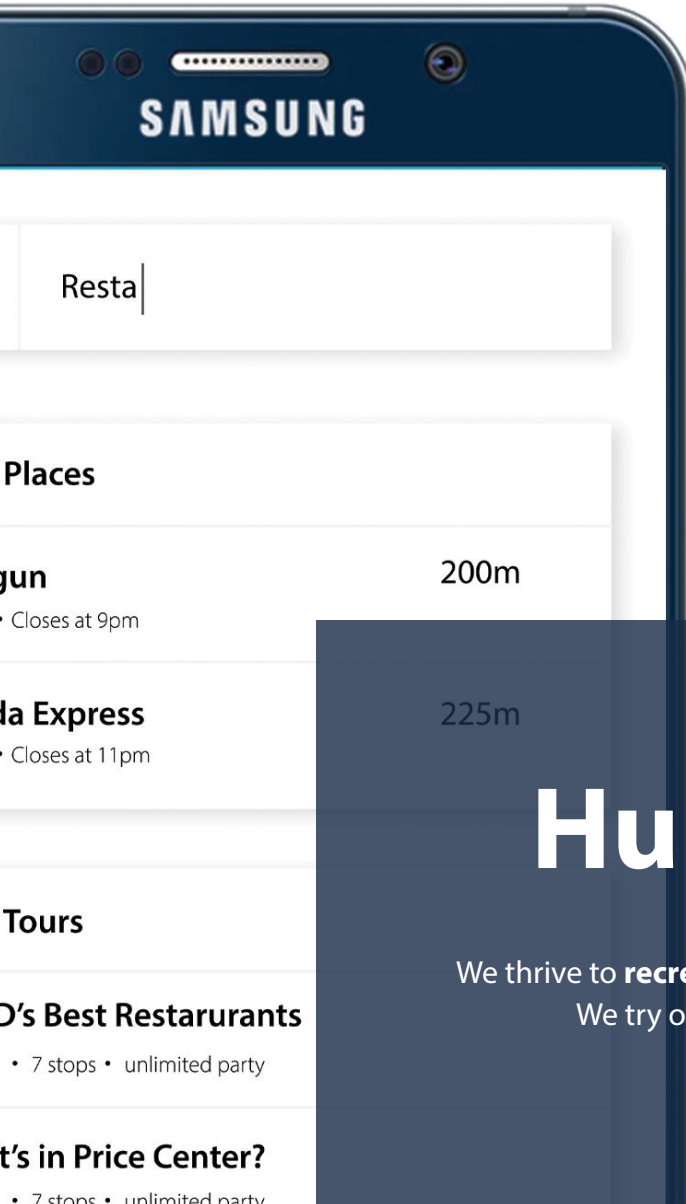All materials covered during the tour cannot be revisited unless taking notes

XPlore UCSD

A virtual tour guide for everyone visiting UC San Diego

- Idea originated from ENG 100D's final report
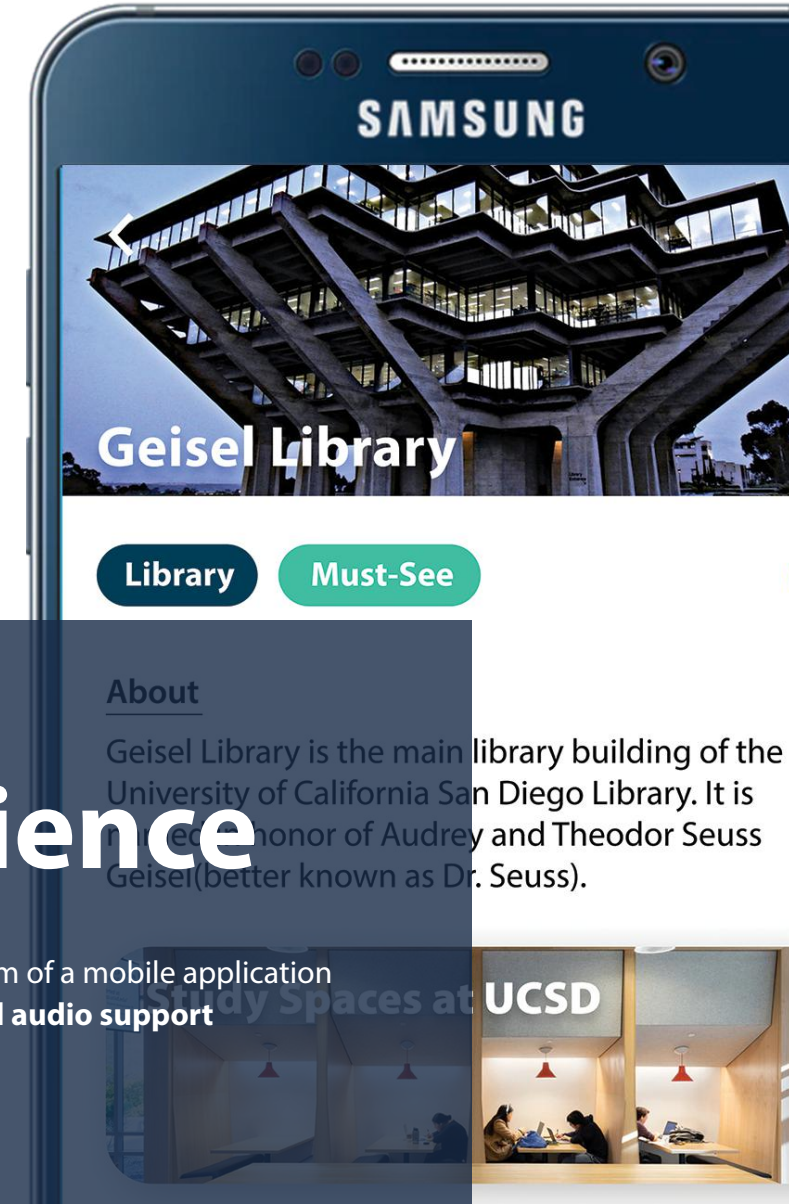- Endorsed by & in collaboration with *UC San Diego* and the *San Diego Architectural Foundation*

Human-Centered Experience
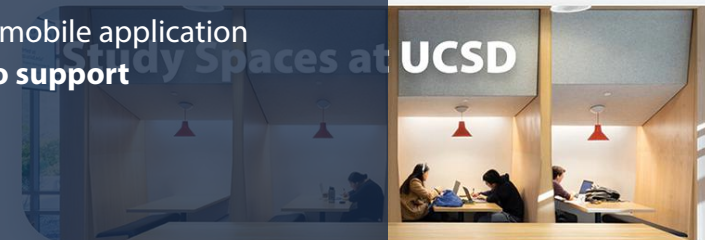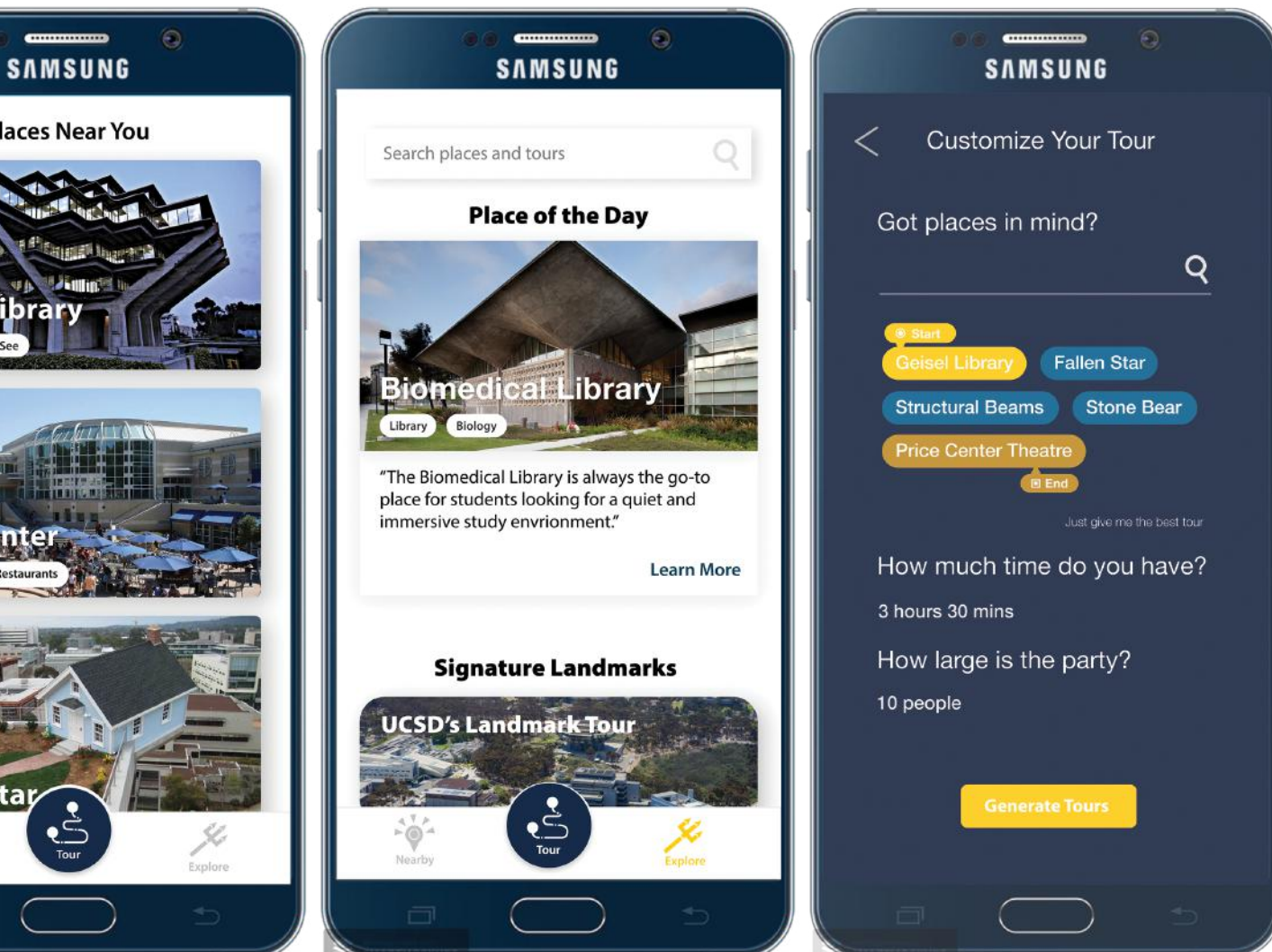
We thrive to **recreate** the pleasant & personal touring experience provided by Triton Tour in the form of a mobile application
We try out best to achieve this by offering features such as **turn-by-turn navigation & full audio support**

Create Your Own Tour

We recognize the problems our visitors face while taking the Triton Tour. Here's how our features solved them.

Start Anywhere, Anytime

Tons of preset tours with different focuses for all type of visitors. With the "Places Near You" Feature, you can start a tour anywhere on campus.
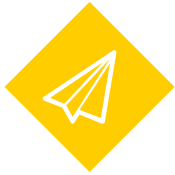
Customization Support

Fully customize your tour with your own traveling time, places to go to, and your specific focus (scenery, academic, etc)

XPlore On Your Own

Want to learn more yet do not need a tour? Use our Explore Mode to directly access our landmark details pages

04 Technology Highlights

Turn-by-turn Navigation by Mapbox API

Precise & comprehensive nav. support Highly-customizable

Innovative, Cluster-based Route-finding Algorithm

Well-suited for UC San Diego's geographic properties

Extensibility Support for Locations/Preset Tours

Dynamically store/fetch information Can be added/modified easily

05 Overall Timeline

1 — Week 3

Project Kickoff

Team formed, Product Manager & Tech Lead specified
Project Idea, MVP, timeline for the Winter quarter generated

2 — Week 4 - 5

Initial Stage

MVP development started; multiple iterations of the wireframe created
Idea re-evaluated based on conversation with UC San Diego & SDAF

3 — Week 6 - 9

Midpoint

MVP development complete
User research started; High-fidelity prototype created

4 — Next Quarter

1st Release

Complete all planned features, align UI with prototype & deployment
Testing; continued user research

5 — In The Future

The Official Touring App for UC San Diego

Well-designed & deployed Android & iOS application
Accepted as the official app for visiting UC San Diego

Shantao Yi
Product Manager

Sam Huang
Tech Lead

Boyang Wang
Product Designer

Yidie Ling
Product Designer

Mingqi Zhang
Software Engineer

Jiacheng Yu
Software Engineer

Yuchen Jing
Software Engineer

Caiwei Xiao
Software Engineer

Meet Our Awesome XPlorers

Thanks to their effort & commitment, our team have had great progress throughout this Winter quarter.
Also, we are **hiring**! Welcome all motivated **Product Designers** & **Android (potentially iOS) Developers**!

THANK YOU!

Thank you for voting!