

David Le

UX/UI Design Portfolio

QuantaCam 3D

Case Study Presentation

Last Updated on Feb. 2024

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telephone e-mail website INTRODUCTION David Le ABOUTME 1



Hi, I'm David,

a Boston-based UX/UI designer. Crafting intuitive experiences at the intersection of art, design, and technology is my mission. I'm a reliable team player with a growth mindset, passionate about elegant design and creating impactful experiences.

EXPERIENCE

Freelance — Visual Designer

Aug. 2021 - Present | Medford, MA

BRZ Insurance - Digital Marketing Coordinator

May 2018 - Apr. 2020 | Malden & Framingham, MA

UX SKILLS

UX Design, Interaction Design,

User Testing, User Interview,

Prototyping, UI Design, Analytics,

Responsive Design, Wireframing,

EDUCATION

Amherst College | Dec. 2016

BA, Art & the History of Art & Political Science

SOFTWARE SKILLS













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PERSONALITY TYPE

RELIABLE

EASY-GOING

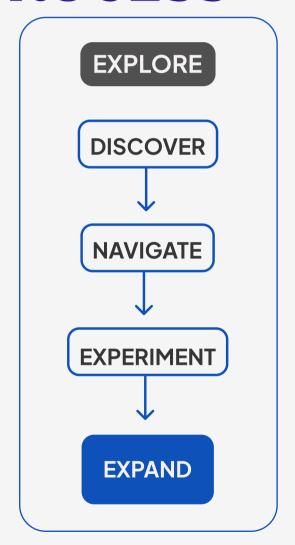
HARDWORKING

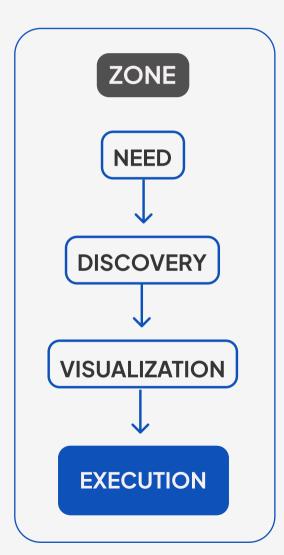
PERSEVERING

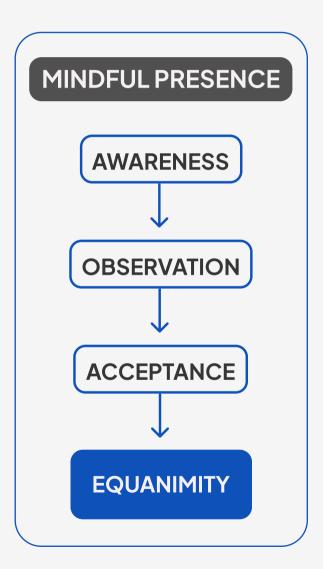
TEAM PLAYER

FUNTO BE AROUND

THOUGHT PROCESS







PROJECT VALUE

DIVERSE BACKGROUND

VISUAL DESIGN

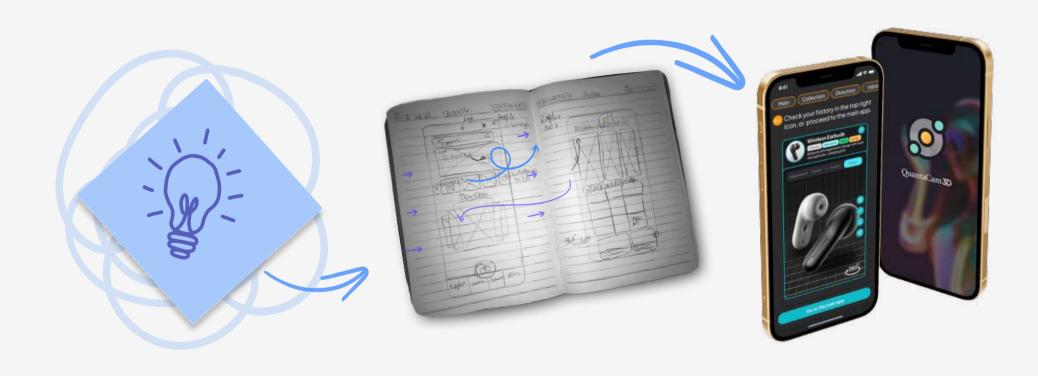
TEAM COLLABORATION

TECH PROFICIENCY

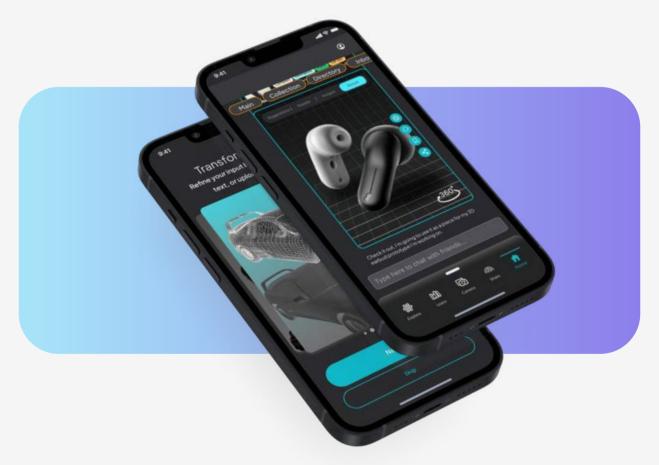
EFFECTIVE COMMUNICATION

ADAPTABILITY

SAMPLE PROJECT



@ QuantaCam 3D



My Role

• Self-Directed

Timeline

- 6 Weeks
- From 10/02/2023 To 11/07/2023

Activities Performed

- Primary Research
- Secondary Research
- Usability Testing
- User Survey
- Sketches
- Low-Fidelity Wireframe
- Mid-Fidelity Wireframe
- Prototype

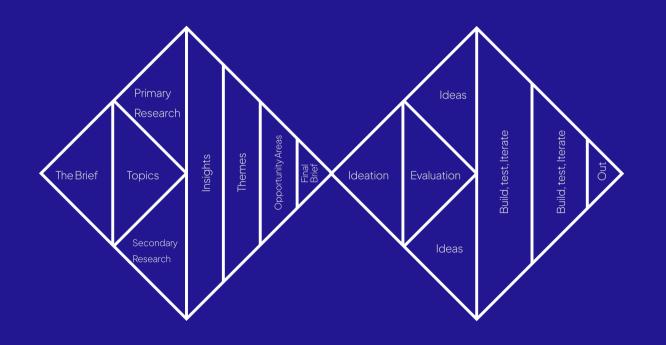
PROBLEM

- Users find 3D experiences complex
- Challenges in 3D Al asset generation for the web and AR/VR
- Lack of User-friendly 3D AI tools in the Market

SOLUTION

INTEGRATING AI PERSPECTIVE INTO 3D DESIGNING WORKFLOW

PROCESS OVERVIEW



DISCOVERY

DEFINE

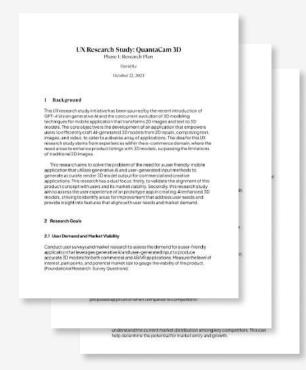
IDEATE

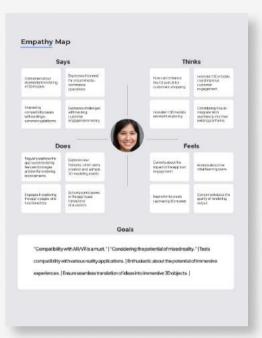
PROTOTYPE

ITERATE

DELIVER

User Research, Empathy Map, Relevant Data Collection







"Prior work on applying generative models and AI for knowledgebased design in CAD and industrial engineering does exist"

(Section 8.3 Generalizability, 2023. 3DALL-E: Integrating Text-to-Image AI in 3D Design Workflows by Vivian Liu, Jo Vermeulen, George Fitzmaurice, Justin Matejka)



DEFINE

Personas, Journey Map, Competitive Analysis



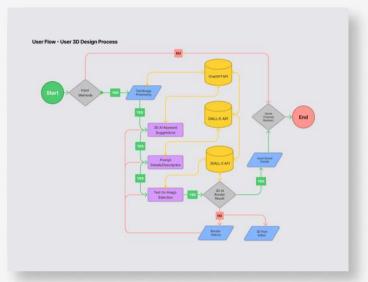


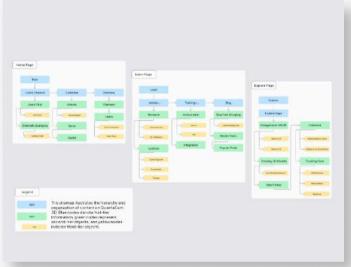


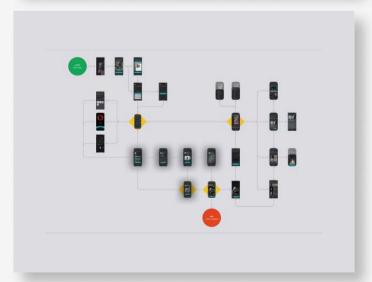


IDEATE

User Flows & Information Architecture



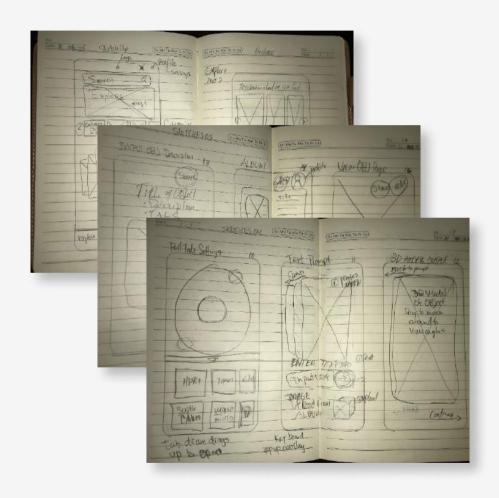


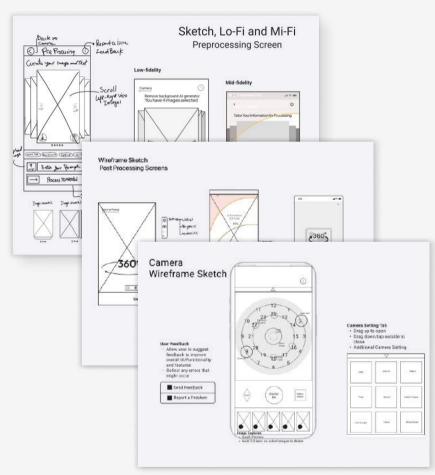






Sketches, Low-Fidelity Wireframe





VISUAL RESEARCH 13

IDEATE

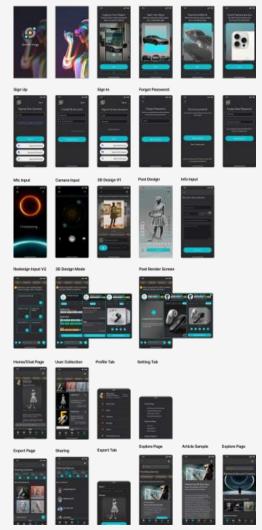
Visual Research: Mood Board

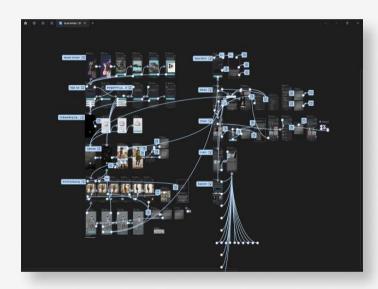


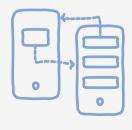


Mid-Fidelity Wireframes, Rapid Prototypes









Usability Testing, User Reviews & Feedback





User Testing

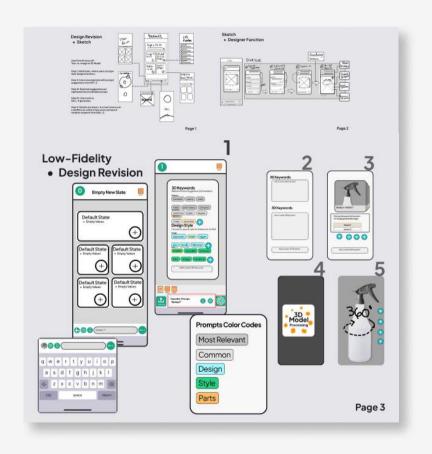
- 40 User Surveys
- 20 SUS Evaluation
- 10 Users for Usability Testing (1st Iteration)
- 10 Users for Usability Testing (2nd Iteration)

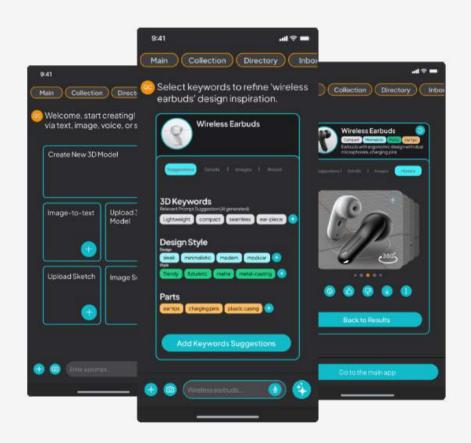


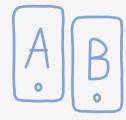


ITERATE

Design Iterations & Improvements







DELIVER

Design System, Brand Guideline & Final Design







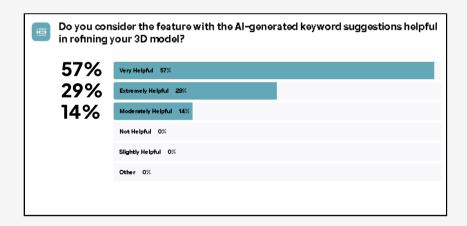
RESULTS NEXT STEPS 18

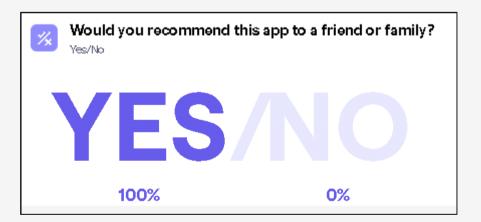
User Testing Quote

'I think this is a rapidly growing concept and is going to be very prevalent in the near future'

~ User Feedback, Usability Testing

Metrics





72% Positive Market Demand

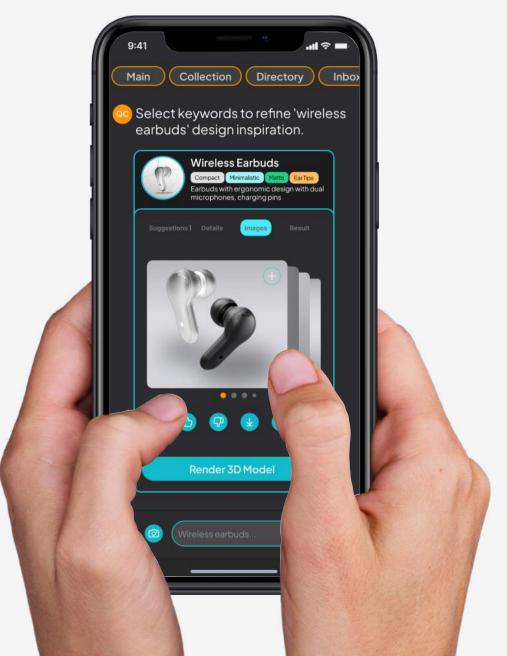
Lesson Learned

Early User Testing

Next Steps

Testing Viability Iterations, Refinement

QUESTIONS





Thank You!

I trust you found as much delight in observing this project as I did in crafting it.

"when you have a worthwhile idea, you should be prepared to gamble on it, test it out and see what the world gives back."

~ Paul Graham

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