Aqua Lens
Annie Dai, Stephen Gaffley, Ryan Gulland, Aya Suzuki
Yellow A
A wearable that provides feedback to competitive swimmers
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What kind feedback
A wearable that provides feedback to competitive swimmers

What kind feedback

How to acquire
feedback

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How to acquire
How to relay
Determining Need

“We just scream their times at them and we count on them to remember.”
Determining Need

“We just *scream their times* at them and we count on them to remember.”

“I want to give swimmers *personal feedback* on technique while they’re in the pool.”
Determining Need

“We just *scream their times* at them and we count on them to remember.”

“It fills a niche... workout gear *usually requires looking at your wrist or arm* which swimmers can't easily do.”

“I want to give swimmers *personal feedback* on technique while they’re in the pool.”
## Product Contract

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<th>Specification</th>
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Spec 1: Lap Sensing

Accelerometer
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Accelerometer

Laps

![Graph showing acceleration over time with labeled laps](image-url)
Spec 1: Data ‘Visibility’

Audio

Vibration

Optical
Spec 1: Data ‘Visibility’

**Audio**

**Vibration**

**Optical**
Mockup: Data ‘Visibility’

Audio

Convert lap time to speech

Bone conduction
Mockup: Data ‘Visibility’

Vibration

Vibration motor
Respond to accelerometer
Spec 2: Coach Communication

Radio

Weak Radio

Bluetooth
Spec 2: Coach Communication

- Radio
- Weak Radio: Cut out completely
- Bluetooth: Audio Stuttering
Mockup: Coach Communication

Radio
Pricing & Consumers

$100-$200 per device

Marketed towards Swim Teams
Moving Forward

- User Test
- Refined Waterproofing
- Sound Perception
- Optical Projection
Moving Forward

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