

Objectives

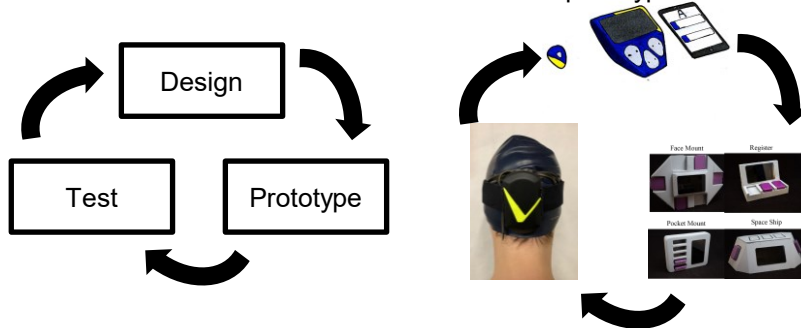
- **Design a product** by conducting market research, interviews, and trials
- **Coordinate** and with a team of 10 engineers across disciplines
- **Complete mechanical design thesis** for MIT MechE

Aquadio was organized like a **start-up**. We started with an idea following a product development process and honed our electrical, mechanical, software, and integration skills as a team to produce a final product.

It is **designed to help competitive swim teams** train smarter by providing real time information and feedback to coaches and swimmers.

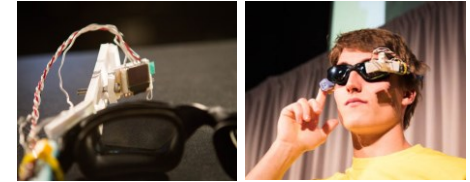
Approach

- We used the **design cycle** to refine our design across 3 prototypes
- Conducted **user interviews and tests** to refine prototypes



Proof of Concept

First prototype/mock-up uses a **lens and projector** to display feedback to the user



Second prototype/mock-up uses a **bone conducting speaker** to transmit commands to the user



Results

Final product integrated across all disciplines and tested in the pool
Completed **design thesis** and **received an offer to continue research**

