**Background:**
- Our project’s objective is to create a housing for phototransistors and LED lights for PPG technology.
- PPG technology utilizes an LED and a photodiode in order to sense the position/movement of user’s fingers.
- Primary focus was developing a housing apparatus.
- Secondary focus was electronics and programming.
- Future goal of project is to use this technology for a wireless sensor typing application.

**Final Design/Completed System:**
- Universal Fit
- Accurate sensor/light placements
- Durable and comfortable design
- Removable features for cleaning and adjustment
- Lightweight and appealing materials
- Cost effective elastic Velcro strap
- Collaboration with graduate student provided mutual benefit of sensor testing as well as technology application.