THE DRAGONFLY WALKER

A device meant to bridge the gap between walkers and wheelchairs while remaining light and portable.
The role of this device is to provide support in between stages of life. The dragonfly nymph is a good metaphor because it uses a reed to support itself as it transforms into a dragonfly to keep itself from drowning.
An appropriately healthy 78-year-old that lives an independent and active lifestyle might have a life expectancy of 15 years or greater. If that same individual suffered physical trauma or a disorder that required a move into a long-term care facility, their life expectancy could be reduced 50%-75%” (The Compression of Morbidity).

After talking to several people at a local independent living center I noticed that a lot of them were concerned about independence, specifically regarding mobility. One of the seniors told me that he was worried that he would not be able to use his walker for much longer and would have to move to a wheelchair. He didn’t want to have to depend on someone else to help him get around.

People who do not live independent lifestyles engage in less physical and mental activity, which can lead to early death. **How can we allow people to remain independent and active for longer?**
SPRING LOADED BRAKES
Apply brakes when the user applies weight, pushing the wheel well against the tire.

TEXTURED RUBBERIZED GRIPS
for a comfortable secure grip and sturdy support.

LIGHTWEIGHT COMPOSITE FRAME
designed to maximize rigidity and portability.
WIDTH ADJUSTMENT for more compact storage and a secure arm position

ARTICULATING LEG HINGE allows legs to fold in for compact transportation

TELESCOPING ALUMINUM LEGS with an oval shape to allow for more lateral rigidity.
THE BLACKOUT HELMET
AMBIENT LAMP
Most desk lamps only provide overhead lighting or side lighting from a single point. This can create shadows over the work area. By using two points of light, shadows can be illuminated to create a better work space.
HUMAN SHEST
WASHINGTON LAW STATES THAT AGRICULTURAL WORKERS MUST BE PROVIDED WITH SHELTER, SEATING, AND WATER.
G-SHOCK
HELMET