

Solace

Fall 2020

Objective: Design and manufacture an affordable, lightweight, and easily storable alternative to traditional emergency life rafts

Storable. Simple. Strong.

SOLACE

Solace is foldable life raft for individuals and families in flood/hurricane prone regions to stay secure while waiting or moving to safety after a severe storm.

20 Second Deployment

350 LBS Capacity

Compact 2.5'x4' Size

Weights 40 LBS

41 Million Americans living in flood-prone regions

\$150 Retail Price



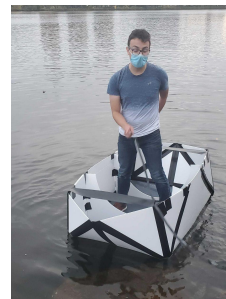
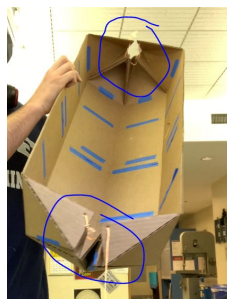
Deployed

See [video here](#) of final product presentation!

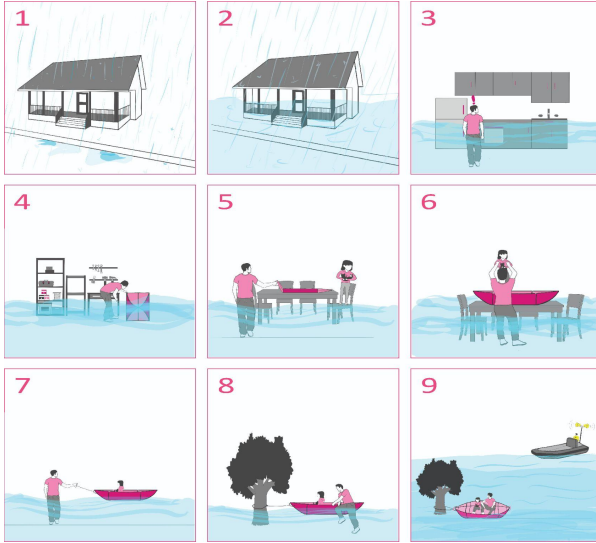


Stored

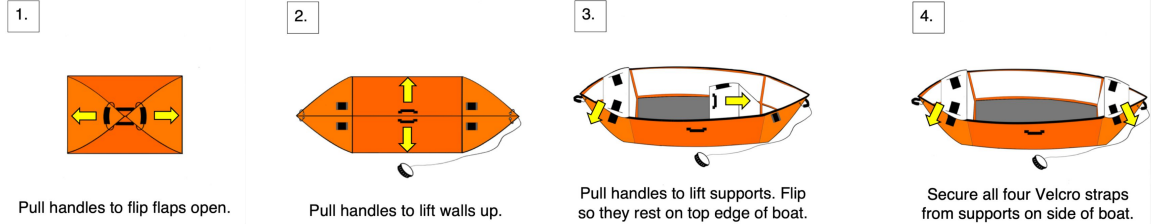
Iterations of Form



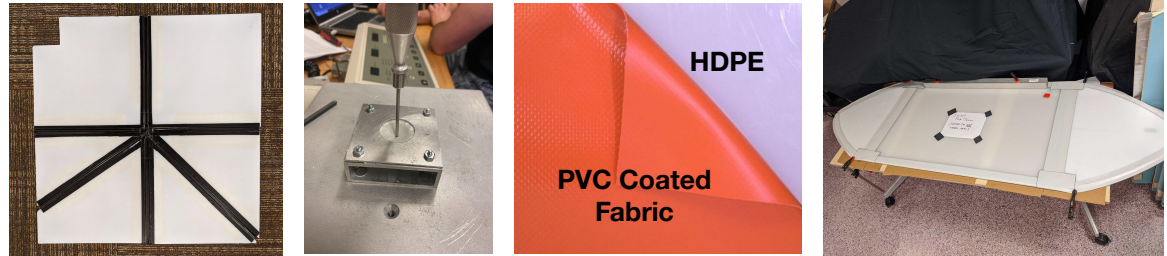
Storyboard



Industrial Design



Material and Seam Testing



My Role: On this large team of 15 I served as Safety Officer, Lead Industrial Designer, and an R&D engineer for strength and waterproofing of seams

Tools Used: Prototyping with solid and corrugated plastics, performed tensile, puncture, and abrasion tests, Adobe Illustrator and Photoshop