

CLEAR BLUE SEA HAD A VERY BUSY SUMMER IN 2018!



Special Thanks to Jessica and Darcy for their Media, Marketing, and Development Efforts!!



ON THE ENGINEERING SIDE. Clear Blue Sea sponsored 12 interns this summer who worked as a cohort on multiple projects, brainstorming innovations and collaborating on resolving project challenges.

- **USD 4-Student Internship Team:** Designed, prototyped and demonstrated FRED's Solar Power Subsystem (SPS) in a very productive 10 weeks (Generously funded by Clarity Design)
- **The Maritime Alliance 3-student Internship Team:** Designed, prototyped, and demonstrated FRED's Debris Collection Subsystem for Integration with the SPS
- **The Clear Blue Sea 5-Student Research Team (*Nevi not shown*):** Explored and developed recommendations on relevant topics such as:
 - FRED sensors for identifying and alerting marine mammals to avoid any encounters
 - FRED sensors for monitoring and reporting oceanographic and climate data
 - Industrial processes for recycling marine plastics
 - Commercial products being manufactured out of marine plastics
 - Strategies for recycling extensive numbers of solar panels planned for FRED ops



Angela, Tania, Grant & Sofia Sarah, Jordan, Marcus & William Akila, Cassidy, Li, & Nolan

ON THE BUSINESS SIDE. Clear Blue Sea made great progress with governance and stakeholders.

- **Governance.** Tim Perry and Emilio Vargas joined our Board of Directors and we held our bi-annual meeting in July 2018.
- **Outreach.** Presentations of Clear Blue Sea's mission, progress & plans to:
 - EPA Regional Water Board & San Diego Environmental Professionals
 - USD Engineering Department & Scripps Corporate Alliance (Clear Blue Sea is a member)
- **Education.** STEM educational tutorials to high schools, community colleges, and universities
 - Crisis of Ocean Plastic Pollution & Creative Solutions for Ocean Remediation
 - Systems Engineering Methodologies for Innovation Development
 - Project Management of Engineering and Technology Projects
- **Funding.** Secured \$40K of internship sponsorship; received donations; continued to work at the TMA Blue Tech Incubator facilities provided by Dentons law offices.

