



# 45C ROBOTICS

CAMS ROV ROBOTICS TEAM

**CAMS High School  
Carson, California**

**Company Name: 45C Robotics  
Distance Traveled: 37km  
New Team  
Ranger Class**

**ROV Name: Triton VI  
Total ROV Cost: \$521.62  
Hours to build: 1110 hours**

**Jiajer Ho '16 - CEO and Electronics Lead  
Isaac Neil-Zanoria '15 - Electrical and Software  
Ted Lin '15 - Software Development Lead  
Brad Biscocho '15 - Mechanical Engineer  
Celia Yu '16 - Mechanical Engineer  
Isaac Addis '15 - Design Lead and Writer  
Kentaro Vadney '16 - CAD Engineer  
Jesse Leal '16 - Technical Report Writer and Engineer**

**Sandra Barnett - Mentor**

### **Safety Features:**

- Motor shrouds with safety warning stickers
- Smooth and rounded design
- Arduino programmed smart system that constantly monitors voltage, current, and temperature of components
- 20 amp inline fuse
- Reverse polarity protection

### **Special Features:**

- 3 Arduino processors to increase processing speed
- Lightweight control box design
- Rotatable claw
- 3D printed custom shrouds

